

ance schedule event indicating the type of enforcement action which set the limits or schedule (i.e., Administrative Order, Consent Decree, etc.), the Enforcement Action Type Order (EATP), and the docket number of the action.

For enforcement actions that cover all effluent violations or DMR non-receipt violations on a specific date, the text "ALL EFFLUENT VIOLATIONS ON" or "ALL DMR NON-RECEIPT VIOLATIONS ON" will appear in the Instance of Noncompliance field. The Monitoring Period End Date (MVDT) will print in the Violation Date field. The Enforcement Action Date (ENDT) will print in the Enforcement Action Date field. The Enforcement Action Code (ENAC) will print in the Enforcement Action field. The Enforcement Action Type Order Issued (EATP) will print in the Type Order Issued field. The Enforcement Action Status Code (ENST) will print in the Status field. The Enforcement Action Status Date (ENST) will print in the Status Date field and the Enforcement Action Comments (ECM0-ECM9) will print in the comments field.

For Permit enforcement actions that cover all effluent, DMR non-receipt, all compliance schedule, or all single event violations for a permitted facility, the text "ALL EFFLUENT," "ALL DMR NON-RECEIPT", "ALL COMPLIANCE", or "ALL SINGLE EVENT" will appear in the Instance of Noncompliance field. The Enforcement Action Date (ENDT) will print in the Enforcement Action Date field. The Enforcement Action Code (ENAC) will print in the Enforcement Action field. The Enforcement Action Type Order Issued (EATP) will print in the Type Order Issued field. The Enforcement Action Status Code (ENST) will print in the Status field. The Enforcement Action Status Date (ENST) will print in the Status Date field and the Enforcement Action Comments (ECM0-ECM9) will print in the Comments field.

4.11 Summary Quarterly Noncompliance Report For Managers

The Summary Quarterly Noncompliance Report (QNCR) for Managers (QM) is a report designed for managers that summarizes only those violations that are in Significant Noncompliance (SNC) for the current Reportable Noncompliance (RNC) quarter for effluents, DMR non-receipts at the permit level, compliance schedules and compliance schedule reports. The report is divided into three sections: 1) Municipals; 2) Nonmunicipals; and 3) Federals.

The user may select any facility to appear on the QM report through the use of 10-card selection at the facility level only. The report type must be specified as 'QM' on the 20-card as in the following example:

20 QM VTYP=XX BREAK=XXX

where: VTYP = E Effluents and DMR non-receipts at the permit
level
C Compliance schedules and compliance schedule
reports

BREAK = YES Will cause the retrieval to start a new
page for each facility in the report
NO Indicates that there will be no page breaks
between facilities. NO is the default.

The Violation Type (VTYP) is required for the 20-card and the user must specify either E or C or both. No date range is allowed on the QM report and no other 20-cards are allowed. The date of violation that appears on the report is the current RNC quarter. The QM report is automatically sorted by Municipals, Nonmunicipals and Federals and is sorted in alphabetical order within each section. No 30-cards are allowed. Figure 4-24 on page 4-32 illustrates the Summary QNCR for Managers.

DATE: 12/21/88
 TYPE: NON-MUNICIPAL

PCS SELECTIVE SUMMARY
 ARKANSAS

PAGE: 1
 QNCR PERIOD: 07/01/88 TO 09/30/88
 NPDES NO: AR0001236

FACILITY: BTL SPECIALTY RESINS CORP.
 LOCATION: MALVERN

EFFLUENT VIOLATIONS

EFFLUENT PARAMETERS	OUTFALL	SNC TYPE	VIOLATION DATE	QUARTERS ON QNCR	ENFORCEMENT ACTION AFTER QNCR PERIOD	ENF.ACT. DATE	COMMENTS
SOLIDS, TOTAL	SUSPENDED	001	TRC	09/88 08/88 07/88 06/88 05/88 04/88	6		
NITROGEN, ORGANIC	TOTAL (AS	001	TRC	09/88 08/88 07/88 06/88 04/88	4		
NITROGEN, AMMONIA	TOTAL (AS	001	TRC	09/88 08/88 07/88 06/88 05/88 04/88	7		
FORMALDEHYDE		001	TRC	09/88 08/88 07/88 06/88 05/88 04/88	8		

FACILITY: UNION PACIFIC RAILROAD CO.
 LOCATION: LITTLE ROCK

NPDES NO: AR0001775

EFFLUENT VIOLATIONS

EFFLUENT PARAMETERS	OUTFALL	SNC TYPE	VIOLATION DATE	QUARTERS ON QNCR	ENFORCEMENT ACTION AFTER QNCR PERIOD	ENF.ACT. DATE	COMMENTS
PHENOLICS, TOTAL	RECOVERABL	004	TRC	09/88 08/88 07/88 05/88	4		

Figure 4-24. Managers Quarterly Non-compliance Report

(QM) will display only those facilities that are in Significant Noncompliance (SNC) during the QNCR quarter. The QM report is divided into three sections: 1) Municipals; 2) Nonmunicipals; and 3) Federals. Within these three sections, facilities will be listed in alphabetical order by facility name. The types of violations that can be selected to be on the report are as follows:

- Effluent violations
- DMR non-receipt violations at the permit level
- Compliance schedule violations
- Compliance schedule reporting violations

On the title line the QM report displays the date the report was run, the type of facility (municipal, nonmunicipal or federal) and the QNCR period this report is covering. The QM report can only be run for the current RNC quarter.

Next the report will list violations by violation type as specified on the 20-card of the Generalized Retrieval (i.e., Violation Type (VTYP)) in the following report order:

VTYP=E This will list all the effluent SNC violations and the permit level DMR non-receipt violations for the current RNC quarter.

VTYP=C This will list all the compliance schedule SNC milestone violations and compliance schedule SNC reporting violations for the current RNC quarter.

The report displays the effluent and DMR non-receipt violations before the compliance schedule and reporting violations. There are four headings for the various types of violations that are displayed on the report: 1) Effluent Violations; 2) DMR Overdue; 3) Compliance Schedules; and 4) Reports. The following section describes the data that is displayed on the report for each type of violation.

EFFLUENT VIOLATIONS - For effluent violations, the SNC type shown will be the most critical one. For instance, if the same parameter and pipe contain both technical review criteria (TRC) and chronic violations, TRC will be shown as the SNC type.

- **EFFLUENT PARAMETERS** - The parameter that is in violation.
- **OUTFALL** - The outfall serial number of the outfall that contains the parameter in violation.
- **SNC TYPE** - This displays the type of violation, either TRC or CHRONIC.
- **VIOLATION DATE** - The date that this parameter became either TRC or CHRONIC.
- **NO. OF QTRS. ON QNCR** - This shows the number of quarters this parameter has appeared on the QNCR.
- **ADDRESSED BY ENFORCEMENT ACTION AFTER QNCR PERIOD** - If an enforcement action has been issued for this violation, this column displays what type of enforcement action was issued.
- **ENF. ACT. DATE** - The date the enforcement action was issued.
- **COMMENTS** - After the report has been processed and printed the manager may use this space to write in comments about the violations appearing on this report. Also, the manager may wish to download this report to a micro-computer and use one of the micro-computers software packages to input the comments.

DMR OVERDUE - This section displays DMRs that are overdue to the agency only if the entire DMR was not received. Even if only one parameter was received, that DMR would not appear on this report because some of the data was received.

- **DMR DUE DATE** - This displays the month and year that the DMR should have been received. For instance, if this DMR is to be submitted on a monthly basis and the DMR for the June, 1987 monitoring period was not submitted, the date appearing for the DMR DUE DATE would be 07/87 because the agency would not expect to receive that DMR until after the June monitoring period was fulfilled.
- **ADDRESSED BY ENFORCEMENT ACTION AFTER QNCR PERIOD** - If an enforcement action has been issued for this violation, this column displays what type of enforcement was issued.
- **ENF. ACT. DATE** - The date the enforcement action was issued.
- **COMMENTS** - After the report has been processed and printed the manager may use this space to write in comments about the violations appearing on this report. Also, the manager may wish to download this report to a micro-computer and use one of the micro-computers software packages to input the comments.

REPORTS - This section displays SNC violations of compliance schedule reports.

- **REPORT** - This column displays the compliance schedule report that is in SNC.
- **VIOLATION DATE** - The date the report became SNC.
- **SOURCE** - This column displays whether this compliance schedule originated from an issued permit or from an enforcement action.
- **ADDRESSED BY ENFORCEMENT ACTION AFTER QNCR PERIOD** - If an enforcement action has been issued for this violation, this column displays what type of enforcement was issued.
- **ENF. ACT. DATE** - The date the enforcement action was issued.
- **COMMENTS** - After the report has been processed and printed the manager may use this space to write in comments about the violations appearing on this report. Also, the manager may wish to download this report to a micro-computer and use one of the micro-computers software packages to input the comments.

COMPLIANCE SCHEDULES - This section displays the compliance schedules that are in SNC.

- **REPORT** - This column displays the compliance schedule that is in SNC.
- **VIOLATION DATE** - The date the schedule became SNC.
- **SOURCE** - This column displays whether this compliance schedule originated from an issued permit or from an enforcement action.
- **ADDRESSED BY ENFORCEMENT ACTION AFTER QNCR PERIOD** - If an enforcement action has been issued for this violation, this column displays what type of enforcement was issued.
- **ENF. ACT. DATE** - The date the enforcement action was issued.
- **COMMENTS** - After the report has been processed and printed the manager may use this space to write in comments about the violations appearing on this report. Also, the manager may wish to download this report to a micro-computer and use one of the micro-computers software packages to input the comments.

If the user wishes to generate a QM report for minors in the state of Ohio, the retrieval statements would be:

```
01 HQ hhhhhhhhhhhhhhhhh
10 STTE EQ OH
10 MADI NE M
20 QM VTYP=EC
```

4.12 Quarterly Noncompliance Report

The "Quarterly Noncompliance Report" (QN) is the standard QNCR report that lists SNC and RNC violations for major facilities for a specified state or region. The QN report is sorted first alphabetically by state name, if more than one state is specified. The report is then sorted by municipals, nonmunicipals, and federals for noncompliant and resolved facilities by facility name. Then the report is sorted by municipals, nonmunicipals, and federals for resolved pending facilities by facility name. Sorting is done automatically and no 30-card is allowed on this report. The general format for this report is:

```
20 QN VTYP=ECS
20 WITH REGN (or STTE) EQ xx
```

Where "XX" is a valid region or state code.

Note: This report will generate a QNCR only for major facilities for the state or region specified. To generate a QNCR for individual and selected groups of facilities, refer to the section on the "Selective Quarterly Noncompliance Report" following this section.

The characters that follow the "VTYP=" expression correspond to different types of violations to be displayed on the QNCR:

- E - Effluent Violations including non-receipt violations
- C - Compliance Schedule Violations
- S - Single Event Violations

The user must specify some combination of these codes.

The "20 WITH" card specifying the region or state code is optional. If no region or state code is specified, the data of interest will be determined by the user's access code restrictions. No additional "20 WITH" cards may be used, and no 10-cards may be used in generating this report. Only one "20 WITH" card may be specified with only one state or region. The only logical operator that can be used is "EQ". The violations that appear on the QNCR will be from the current RNC period.

Note: A 01-title card is not required for this report. A standard title is displayed on this QNCR. If a 01-title is specified, it will be ignored and the standard title will be displayed. The title that is displayed on the report is QUARTERLY NON-COMPLIANCE REPORT and the name of the state(s) that is(are) being reported.

For example, if the user wishes to generate a QNCR for the state of Louisiana, displaying all violations, the correct 20 and "20 WITH" cards would be:

```
20 QN VTYP=ECS
20 WITH STTE EQ LA      (Louisiana)
```

4.13 Selective Quarterly Noncompliance Report

The "Selective Quarterly Noncompliance Report" (QR) (Figure 4-25 on page 4-36) is a subset of the QNCR that allows for title cards and the selection of facility level criteria on the 10-card. As in the regular QNCR, the Selective QNCR will display docket numbers for Enforcement Actions associated with Extended Compliance Schedule violation(s). By using the QR report, the user can determine where docket numbers have been incorrectly entered, or missing. The QR report is sorted first alphabetically, by state name, if more than one state is specified. The report is then sorted by municipals, nonmunicipals, and federals for noncompliant and resolved facilities by facility name. Then the report is sorted by municipals, nonmunicipals, and federals for resolved pending facilities by facility name. Sorting is done automatically and no 30-card is allowed on this report. The general format for this report is:

```
01 HQ hhhhhhhhhhhhhh
10 STTE (OR REGION) EQ xx
10 ACRONYM1 OPERATOR 1 VALUE 1
10 ACRONYM2 OPERATOR 2 VALUE 2
20 QR VTYP=ECS BREAK=xxx
```

The 01-title card is required on this report. "hh" is the report title. "xx" is a valid region code or state code. "ACRONYM1" and "ACRONYM2" are four character codes that represent permit facility level data elements. "OPERATOR 1" and "OPERATOR 2" describe the relationship between the data element value and "VALUE 1" and "VALUE 2". Only permit facility level data may be selected on the 10-cards.

The characters that follow the "VTYP=" expression correspond to the different types of violations to be displayed on the QNCR:

E - Effluent Violations including non-receipt violations
 C - Compliance Schedule Violations
 S - Single Event Violations

The user must specify some combination of these codes. The violations that appear on this report will be from the current RNC period.

The characters that follow the "BREAK=" expression indicate if a page break is requested.

BREAK = YES Will cause the retrieval to start a new
 page for each facility in the report
 NO Indicates that there will be no page breaks
 between facilities. NO is the default.

No additional "20 WITH" cards may be used. If no region or state is specified, the data of interest will be determined by the user's access code restrictions.

For example, if the user wishes to generate a QR for the state of New Jersey with a title and displaying all violations for federal facilities only, the retrieval would be coded as follows:

01 HQ QR REPORT FOR NEW JERSEY.
 10 STTE EQ NJ
 10 TYPO EQ FED
 20 QR VTYP=ECS

DATE: 07/30/93		REGION 02		SELECTIVE QUARTERLY NON-COMPLIANCE REPORT ** QNCR **				PAGE 1	
				QR REPORT FOR NEW JERSEY.					
FEDERALS				NEW JERSEY				FROM: 02/01/93 TO: 04/30/93	

NAME									
LOCATION									
NPDES NUMBER		GRANT		LIMIT		VIOLATION		ENFORCEMENT	
INSTANCE OF NONCOMPLIANCE		RNC		DATE		ENFORCEMENT ACTION		STATUS	
								DATE	
								COMMENTS	

DEPARTMENT OF THE ARMY				NON-COMPLIANT					
ROCKAWAY TWP									
NJ0002500				***FINAL***					
FIVE DAY NOTIFICATION				NI		SCH 01/24/93		NC 04/24/93 3C COMPL SCHEDULE VIOLATION	
***** SUMMARY SECTION *****									
ALL EFFLUENT				ADMIN. ENFORCEMENT ORDER (ST)				04/10/92	
				DOCKET NUMBER: NE040992					
ALL EFFLUENT				NOTICE OF VIOLATION,FML (ST)				12/27/91	
				DOCKET NUMBER: NE122791					
PARAMETER(S) ON		10/31/91		WARNING LETTER (ST)				12/12/91	
								BATCH LETTER PRINT	
%EFFECT STATRE 96HR ACU PIMEPH		003A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
%EFFECT STATRE 96HR ACU PIMEPH		004A		10/31/91 - 12/31/91		NC		CONTINUING NONCOMPLIANCE	
OXYGEN DEMAND, CHEM. (HIGH LEV		009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
PH		009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
SOLIDS, TOTAL		SUSPENDED 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
OIL AND GREASE		FREON EXTR 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
CHROMIUM, TOTAL		(AS 009A		10/31/91 - 11/30/91		NC		CONTINUING NONCOMPLIANCE	
COPPER, TOTAL		(AS CU) 009A		10/31/91 - 11/30/91		NC		CONTINUING NONCOMPLIANCE	
IRON, TOTAL		(AS 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
ZINC, TOTAL		(AS ZN) 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
POLYCHLORINATED		BIPHENYLS 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
FLOW, IN CONDUIT OR THRU TREAT		009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
FLOW, IN CONDUIT OR THRU TREAT		015A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
CHLORINE, FREE		AVAILABLE 009A		10/31/91		NC		CONTINUING NONCOMPLIANCE	
GENERAL SERVICE ADMINISTRATION				NON-COMPLIANT					

Figure 4-25. Selective Quarterly Noncompliance Report

4.14 Coordinator's Quarterly Noncompliance Report

The "Coordinator's Quarterly Non-Compliance Report" (Figure 4-26 on page 4-37) was developed to provide PCS coordinators a more detailed report in order to locate and resolve problems with the QNCR.

DATE: 11/21/89		COORDINATOR'S QUARTERLY NON-COMPLIANCE REPORT										PAGE: 1			
		REPORT PERIOD: 11/01/88 - 01/31/89													
		STATE OF CONNECTICUT													
NON-MUNICIPAL												FACILITY STATUS			
		PERMIT		MAJ/		FACILITY		FED'L				PREVIOUS YEAR		CURRENT YEAR	
		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)	
FACILITY NAME		NUMBER		MIN		TYPE		GRANT LIMIT		COMPLIANCE STATUS		Q1 Q2 Q3 Q4		Q1 Q2 Q3 Q4	
ACCURATE FORGING CORPORATION		CT0021687		MAJOR		NON-MUNICI		FINAL		NC-SNC EFFLUENT VIOL		N/- N/- R/- N/-		E/- E/- S/	
DMR VIOLATION(S) SUMMARY															
						DOCKET				DETECTION		RESOLUTION			
DATE		KEY DATA		PARAMETER		NUMBER		COLS VIOLATION		CODE/DATE/TYPE		CODE/DATE/DESCRIPTION			
04/30/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		06/30/88 TRC 1		NC-UNRESOLVED RNC			
05/31/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		06/30/88 TRC 1		NC-UNRESOLVED RNC			
06/30/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		06/30/88 TRC 1		NC-UNRESOLVED RNC			
09/30/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		09/30/88 TRC 1		NC-UNRESOLVED RNC			
11/30/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		11/30/88 TRC 1		NC-UNRESOLVED RNC			
12/31/88		001A 9 5 01092 100		ZINC, TOTAL				E90 NUMERIC VIOL T		12/31/88 TRC 1		NC-UNRESOLVED RNC			
NON-MUNICIPAL												FACILITY STATUS			
		PERMIT		MAJ/		FACILITY		FED'L				PREVIOUS YEAR		CURRENT YEAR	
		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)		(PCS/MANUAL)	
FACILITY NAME		NUMBER		MIN		TYPE		GRANT LIMIT		COMPLIANCE STATUS		Q1 Q2 Q3 Q4		Q1 Q2 Q3 Q4	
ARCO METALS CO-AMERICAN BRASS		CT0002976		MAJOR		NON-MUNICI		FINAL		NC-RNC VIOLTNS ONLY		N/- N/- N/- N/-		N/- N/- N/ D/	
DMR VIOLATION(S) SUMMARY															
						DOCKET				DETECTION		RESOLUTION			
DATE		KEY DATA		PARAMETER		NUMBER		COLS VIOLATION		CODE/DATE/TYPE		CODE/DATE/DESCRIPTION			
06/30/88		003A 9 5 00310 100		BOD, 5-DAY				E41 CONC ABS		N 06/30/88 RPT 1		NC-UNRESOLVED RNC			
07/31/88		003A 9 5 00310 100		BOD, 5-DAY				E41 CONC ABS		N 07/31/88 RPT 1		NC-UNRESOLVED RNC			
08/31/88		003A 9 5 00310 100		BOD, 5-DAY				E41 CONC ABS		N 08/31/88 RPT 1		NC-UNRESOLVED RNC			
09/30/88		003A 9 5 00310 100		BOD, 5-DAY				E41 CONC ABS		N 09/30/88 RPT 1		NC-UNRESOLVED RNC			
09/30/88		003A 9 5 01032 100		CHROMIUM, HEXAVAL				E51 QTY/CONC ABS		N 09/30/88 RPT 1		NC-UNRESOLVED RNC			
09/30/88		003A 9 5 01034 100		CHROMIUM, TOTAL				E51 QTY/CONC ABS		N 09/30/88 RPT 1		NC-UNRESOLVED RNC			
04/30/88		003A 9 5 34423 100		METHYLENE CHLORIDE				E11 CONC ABS		N 04/30/88 RPT 1		NC-UNRESOLVED RNC			
06/30/88		003A 9 5 34423 100		METHYLENE CHLORIDE				E11 CONC ABS		N 06/30/88 RPT 1		NC-UNRESOLVED RNC			
07/31/88		003A 9 5 34423 100		METHYLENE CHLORIDE				E11 CONC ABS		N 07/31/88 RPT 1		NC-UNRESOLVED RNC			
09/30/88		003A 9 5 34423 100		METHYLENE CHLORIDE				E11 CONC ABS		N 09/30/88 RPT 1		NC-UNRESOLVED RNC			

Figure 4-26. Coordinator's QNCR

The Coordinator's report differs from the regular ONCR report as described below:

Selection Criteria

- Facilities can be selected with violations detected after the end of the QNCR reporting period.
- Facilities that are in compliance can be selected to appear in a separate section at the end of the report.
- Enforcement actions may be selected with the use of date ranges outside the QNCR reporting period.
- 10 cards can be used to select data elements at the facility level.

Sort

- The sort order is the same as the QN report:
 - Alphabetically by state name
 - Noncompliant and resolved municipals, nonmunicipals, and federals
 - Alphabetically by facility name for noncompliant and resolved facilities
 - Resolved pending municipals, nonmunicipals and federals
 - Alphabetically by facility name for resolved pending facilities

- For each facility the data will be grouped and displayed in this order:
 - Measurement/violation data
 - Compliance schedule data
 - Single Event violation data
 - Enforcement Action data
- Measurement/violation data will sort as follows:
 - Pipe
 - Parameter code
 - Monitoring location code
 - Descending date order
- Compliance schedule and single event violation data will sort by descending violation date.
- Enforcement action data will sort by descending date.
- The Compliant Facilities Report, which follows the section of the report for facilities with selected violation records, has the same facility level sort as the main body of the report.

Display

- A Guide to Violation and RNC Codes containing PCS table values and descriptions is available with the report.
- Key data elements, violation codes and descriptions, and detection and resolution codes and descriptions are displayed for all violations to facilitate error tracking and resolution.
- Facility status codes for both previous and current year are displayed.
- The Enforcement Action Summary contains three different display lines: Enforcement Action Record, Comment Line and Enforcement Action key records displaying violation type code and description.
- Facilities selected with violations detected after the end of the QNCR reporting period, will be displayed in a separate section of the report titled "Future Non-Compliance".
- Compliant facilities with no violations, if selected, will be displayed at the end of the report in a section titled "Compliant Facilities Report". Only the facility level data elements from the main body of the Coordinator's QNCR will be displayed for this section. If a facility's status is other than compliant, but the facility has no violation records selected for the main body of the report, it will still be displayed in the Compliant Facilities Report section.

The "Coordinator's Quarterly Noncompliance Report" can be generated for a specified state or region (Figure 4-26 on page 4-37) and the general format for retrieving this report is:

```
20 QC VTYP=ECS VIOL=ALL COMP=YES BREAK=YES
20 WITH ENDT GT (or GE) mmddyy
20 WITH ENDT LT (or LE) mmddyy
```

A three line title may be specified for the Coordinator's QNCR. 10 cards must be used for state and region selection and are only valid for facility level data elements. If no region or state is specified, retrieval will be determined by the user's access code restrictions.

Note: The report is not restricted to major facilities unless selected on the 10 card.

On the 20 card, the user must specify VTYP = some combination of these codes:

- E - Effluent violations including non-receipt
- C - Compliance schedule violations
- S - Single event violations

The following options are available on the 20 card:

- BREAK = YES, will cause the retrieval to page-break whenever the permit number changes. Will automatically default to BREAK = NO if not entered as 20 card option.
- VIOL = All, will cause the report to display facilities with an RNC detection date beyond the range of the current QNCR time frame. The default, VIOL = No, will display the same records as would appear on the QNCR.
- COMP = Yes, will produce the Compliant Facilities Report. This report can only be run with VTYP = ECS.

The only valid 20 WITH cards are used for the selection of enforcement actions. If entered, the report will display all enforcement actions within the specified date range. If these dates are not entered, the report will display only those enforcement actions which would appear on the current QNCR. No additional 20 WITH cards may be used.

An example of the retrieval logic necessary for a Coordinator's QNCR for major municipal permits for the state of Illinois, displaying all violations both within and beyond the current QNCR reporting period, with enforcement actions displayed for the last 3 years is shown below:

```
01 05 State of Illinois
02 All Violations for Major Municipal Permittees
03 With Enforcement Actions from 10/01/86 - 09/30/89
10 STTE EQ IL
10 MADI EQ M
10 FTYP EQ M
20 QC VTYP=ECS VIOL=ALL
20 WITH ENDT GE 100186
20 WITH ENDT LE 093089
```

4.15 Semi-Annual Statistical Summary Report

Section 123.45 of the Code of Federal Regulations (CFR), Title 40, establishes the Semi-Annual Statistical Summary Report (SSSR) of major facilities that are not complying with their NPDES permit or enforcement order effluent limits. The SSSR is completed according to the following schedule:

<u>Reporting Period</u>	<u>SSSR Completion Date</u>
January through June	August 31
July through December	February 28

The SSSR summarizes information on major NPDES permittees with monthly average effluent limits. The SSSR for each State divides the number of major permittees by facility type i.e., municipal, industrial, or federal. Within the facility type, a further breakdown is made as to whether limits were set by a permit or enforcement order. The type of limit used is determined by the limit the facility is on at the end of the reporting period. Enforcement order limits are distinguished in PCS by the existence of an enforcement action type followed by space in the Change of Limit Status (COLS) field. A count of major permittees within the preceding categories is done based on whether or not the measurements exceeded the monthly average effluent limit in the permit or enforcement order for Group I or Group II parameters, at a given discharge (VDSC) for two months out of the six month period. Group I includes inorganic and oxygen demanding pollutants such as BOD, COD, TSS, and nutrients. Group II is associated with toxic pollutants such as heavy metals, cyanide, and organics. The group to which a parameter belongs may be found in PCS

Codes and Descriptions, Table for Parameter Units and Monitoring Print Flags (Table 161). The last character of each parameter indicates the group of that parameter.

Measurements must be associated with a valid Statistical Base Code representative of daily, monthly or 30-day average. The PCS Table 120 (Statistical Base Codes) contains a Category Code that indicates if a particular Statistical Base Code is considered to be a Monthly Average. The statistical base codes are coded on Parameter Limits and provide additional information about the limit to the system. Refer to *PCS Codes and Descriptions* for a listing of Table 120 and indication of which codes detect Monthly Average violations. A sample format of the "SSSR Report" is provided in Figure 4-27.

SEMI-ANNUAL SUMMARY REPORT TEXAS (REGION 06)		
	PERMIT LIMITATION -----	ENFORCEMENT ORDER LIMITATION -----
MAJOR MUNICIPALS IN NONCOMPLIANCE WITH A MONTHLY AVERAGE EFFLUENT LIMITATION FOR TWO OF THE SIX:	18	6
MAJOR NON-MUNICIPALS IN NONCOMPLIANCE WITH A MONTHLY AVERAGE EFFLUENT LIMITATION FOR TWO OF THE SIX:	7	0
MAJOR FEDERALS IN NONCOMPLIANCE WITH A MONTHLY AVERAGE EFFLUENT LIMITATION FOR TWO OF THE SIX:	0	0

Figure 4-27. Semi-Annual Statistical Summary Report

The Semi-Annual Statistical Summary Report reports summary information on major NPDES permitted facilities with instances of non-compliance with monthly average effluent limits (SSSR). It can be generated for a specified State or Region. The general format for retrieving this report is:

```
20 SS
20 WITH REGN (or STTE) EQ xx
```

The "xx" is a valid Region code or State code. If no Region or State is specified the data of interest will be determined by the user's access code restrictions. No additional "20 WITH" cards may be used in generating this report.

4.16 Violation Recognition Report

The "Violation Recognition Report" (Figure 4-28 on page 4-41) provides a listing of selected permitted facilities with reporting or numeric effluent violations by permitted facility number. The "Violations Recognition Report" may be selected for a specific time period or a particular parameter(s) or both. The proper retrieval format on the 20-cards for this report is:

```
20 VR BREAK=xxx
20 WITH MVDT GE mmddyy
20 WITH MVDT LE mmddyy
20 WITH VPRM EQ (or AL) xxxxx
```

For the "BREAK=" option on the 20 card the 'xxx' may be "YES" or "NO". When Break=Yes is used a Violations Recognition Report will have a page break for each new Permit. No page break will occur where "BREAK=NO". The default for the "BREAK=" option is NO.

"MVDT" is the retrieval acronym representing the measurement violation monitoring period end date as stated on the DMR. "mmddyy" represents a date in the month-day-year format where mm=month,

dd=day, and yy=year. The specified dates should be the period of interest to the user. "VPRM" is the retrieval acronym representing the measurement violation parameter code. "VPRM" must be selected on the "20-card" using the EQ or AL logical operators; requesting ranges for VPRM is not permissible. Entering "MVDT" or "VPRM" on the "20 WITH" card is required and only these two acronyms may be used to select violations.

When selecting this report 1) any 10-card selection statement may be specified as long as it is at the permit facility level; 2) no options may be specified on the 20-card.

RUN DATE: 07/23/88				PCS VIOLATION RECOGNITION REPORT								PAGE		1
				DELEWARE MAJORS										
				JANUARY 1988										

NPDES	L	STORET	VIO	AVG MEAS	MAX MEAS	MIN MEAS	AVG MEAS	MAX MEAS	REPORTED			NO OF		
NUMBER	DSCH I	MONITOR	EVENT QTY	AVG LIM	MAX LIM	MIN LIM	AVG LIM	MAX LIM	FREQ ANAL			EXCUR		
	DRID M	END DATE	CODE UNIT	PCT OVER	PCT OVER	PCT UNDER	PCT OVER	PCT OVER	SAMP TYPE					

E.I. DUPONT DE NEMOURS & COMPA														
DE0000051	001A F	01/31/88	00310-1-0-0	E90	915	1731		30.7	50					
BOD, 5-DAY					LBS/DY	1418	2127 MG/L	DELMON	20	30	02/07			
(20 DEG. C)					(26)	(DAILY AV)	(DAILY MX)		53%	67% COMP24				
DRAPER CANNING CO MILTON														
DE0000132	002A F	01/31/88	00310-1-0-0	E90				5.5	7.5					
BOD, 5-DAY							MG/L	DELMON	5	10	01/14			
(20 DEG. C)							(19)		10%	COMPOS				
NVF CO. YORKLYN PLANT COMPLEX														
DE0000451	002A F	01/31/88	00310-1-0-0	E90	.51	60		3.5	4					
BOD, 5-DAY					LBS/DY	54	108 MG/L	DELMON	3	6	01/30			
(20 DEG. C)					(26)	(DAILY AV)	(DAILY MX)		17%	COMPOS				
GENERAL CHEMICAL CORPORATION														
DE0000655	001A F	01/31/88	00310-1-0-0	E90	5674	6772		24.3	29					
BOD, 5-DAY					LBS/DY	4962	8757 MG/L	DELMON	17.0	30.0	01/30			
(20 DEG. C)					(26)	14%	(30DA AVG)	(DAILY MX)	43%	COMPOS				
GENERAL CHEMICAL CORPORATION														
DE0000655	001A F	01/31/88	00400-1-0-0	E90			SU	3.5	10.3					
PH							(12)	6.0	DELMON	9.0	99/99			
								(MINIMUM)	42%	14% RCORDR				
INTERNATION PLAYTEX CORP.														
DE0000701	001A F	01/31/88	00310-1-0-0	E90	2.1	2.1		36	36					
BOD, 5-DAY					LBS/DY	12.5	20.0 MG/L	DELMON	5	8	01/30			
(20 DEG. C)					(26)	(30DA AVG)	(DAILY MX)		620%	350% COMP24				
INTERNATION PLAYTEX CORP.														
DE0000701	003A F	01/31/88	00310-1-0-0	E90	3.5	3.5		7	7					
BOD, 5-DAY					LBS/DY	12.5	20.0 MG/L	DELMON	5	8	01/30			
(20 DEG. C)					(26)	(30DA AVG)	(DAILY MX)		40%	COMP24				
SELBYVILLE OXIDATION LAGOON														
DE0020010	FACA F	01/31/88	00310-1-0-0	E90	1225	1298.8		249	264					
BOD, 5-DAY					LBS/DY	125	192 MG/L	DELMON	15	23	01/01			
(20 DEG. C)					(26)	880%	576% (19)		1560%	1048% COMPOS				
						(30DA AVG)	(DAILY MX)		(30DA AVG)	(DAILY MX)				

Figure 4-28. Violations Recognition Report

4.17 Industrial User Compliance Report

The Industrial User Compliance Report provides calculations and display of combined pretreatment data not available through the user formatted reports such as Quicklook and Milestone reports. The report is produced in order by permitted facility number, within State and Region. For each facility number the report displays the number and percent of Significant Industrial Users (SIUS), SIUS in Significant Noncompliance (SNC) with standards and reporting, SIUS in SNC with compliance schedules, SIUS in SNC with

self-monitoring, SIUS not inspected or sampled, SIUS in SNC with self-monitoring not insp./samp. Figure 4-29 on page 4-42 illustrates the "Industrial User Compliance Report".

INDUSTRIAL USER COMPLIANCE REPORT										
SIGNIFICANT INDUSTRIAL USERS (SIUS)	SIUS IN SNC WITH STANDARDS OR REPORTING		SIUS IN SNC WITH COMPLIANCE SCHEDULES		SIUS IN SNC WITH SELF- MONITORING		SIUS NOT INSPECTED OR SAMPLED		SIUS IN SNC WITH SELF- MONITORING NOT INSP/SAMP	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL FOR STATE: IOWA	108	22	20.3	7	6.4	1	.9	3	2.7	
TOTAL FOR REGION: 07	108	22	20.3	7	6.4	1	.9	3	2.7	

Figure 4-29. Industrial User Compliance Report

The "Industrial User Compliance Report" provides information on Significant Industrial Users in Significant Noncompliance. The general format for retrieving this report is:

```

20 PT TYPE=IUC SPLIT=xxxx SUBR=xxx DETAIL=xxxx
20 WITH DTIA LE mmddyy
20 WITH DTIA GE mmddyy
20 WITH PSED LE mmddyy
20 WITH PSED GE mmddyy

```

Where DTIA is a retrieval acronym representing the PCS Audit Date and PSED is a retrieval acronym representing Summary Pretreatment End Date. "mmddyy" represents a date in the month-day-year format where mm=Month, dd=Day, and yy=Year. On the 20 card PT identifies this as a pretreatment retrieval. "TYPE=IUC" specifies the type of pretreatment retrieval as an "Industrial User Compliance" report. The following options are available on the 20 card:

SPLIT = will cause page breaks after printing total information at the subregion, State or Region level. Valid values for this option are SUBR (subregion), STTE (State), or REGN (Region). Since subregion summary lines are optional "SUBR=YES" must be coded when requesting "SPLIT=SUBR".

SUBR = is used to specify whether or not totals for each subregion should be printed and to specify whether sorting should include subregions. Valid values are "YES" and "NO". "NO" is the default if "SUBR=" is not coded on the 20 card.

DETAIL = used to select the level of detailed information to be shown on the report and the type of sorting to be performed. Valid values are:

TERM	DESCRIPTION
------	-------------

REGN	- will print one line of summary information per Region for all Regions to which the user has access.
-------------	---

STTE	- will print one line of summary information for each State within each Region and a total line for each Region to which the user has access. The sort sequence will be by State abbreviation within Region in ascending sequence.
-------------	--

SUBR	- will print one line of summary data for each subregion within State, within Region, for all States which the user has access. Total lines will be printed for each State and Region. The data for permits that do not have a subregion code will be combined under one subregion and will appear under "TOTAL FOR SUBREGION: " as the first entry for the State due to the implied sorting of subregion in ascending sequence. When subregions are sorted in ascending
-------------	--

sequence, any permits where the subregion code is blank will be printed first. "SUBR = YES" or "NO" should be coded on the 20 card when "DETAIL = NPID" or "DETAIL = FNMS".

- NPID** - will print one line of detailed information for each permit number within subregion (optionally), within State, within Region, for each permit to which the user has access. Total lines will be printed for subregion (optionally), State and Region. Permits not assigned to a subregion will be listed as the first entries for the State and a total line will be printed for subregion (optionally), due to the implied ascending sort sequence. This value is the default for the 'DETAIL' option, if 'DETAIL=' is not coded.
- FNMS** - will cause processing identical to the use of 'NPID' except that the detailed permit information will be sorted by 'FNMS' instead of "NPID" at the detail level. Totaling will be performed at the subregion (optionally), State and Regional levels.

4.18 POTW Implementation Compliance Report

The POTW Implementation Compliance Report provides calculations and display of combined pretreatment data not available through the user formatted reports such as Quicklook and Milestone reports. For each facility number the report displays the Pretreatment Indicator, Major Indicator, Design Flow, Effluent Numeric and Reporting Violations, Significant Industrial Users (SIUS), SIUS in Significant Noncompliance (SNC) with standards, SIUS not inspected or sampled, SIUS without control mechanism. Figure 4-30 on page 4-44 illustrates the "POTW Implementation Compliance Report".

DATE: 09/22/88

PRETREATMENT PERMIT ENFORCEMENT TRACKING SYSTEM
POTW IMPLEMENTATION COMPLIANCE REPORT

PAGE: 1

POTW IMPLEMENTATION COMPLIANCE REPORT

	SIGNIFICANT INDUSTRIAL USERS (SIUS)	SIUS IN SNC WITH STANDARDS OR REPORTING NUMBER	%	SIUS NOT INSPECTED OR SAMPLED NUMBER	%	SIUS WITHOUT CONTROL MECHANISM NUMBER	%
TOTAL FOR STATE: IOWA	108	22	20.3	3	2.7	2	1.8
NUMBER OF CONTROL AUTHORITIES WHICH:							
1) HAVE APPROVED PRETREATMENT PROGRAMS:				19			
2) HAVE ANY PRETREATMENT DATA ON FILE:				15			
3) ARE DEFINED AS MAJOR FACILITIES:				99			
4) HAVE EITHER EFFLUENT NUMERIC OR REPORTING VIOLATIONS:				99			
5) SHOW GREATER THAN 20% OF THEIR SIUS IN SNC WITH PRETREATMENT STANDARDS AND REPORTING REQUIREMENTS:				4			
6) HAVE INSPECTED OR SAMPLED LESS THAN 80% OF THEIR SIUS:				1			
7) OVERSEE SIUS THAT DO NOT HAVE CONTROL MECHANISMS:				2			
8) MEET ALL SEVEN OF THE ABOVE CONDITIONS:				0			
9) HAVE NOT TECHNICALLY EVALUATED THE NEED FOR LOCAL LIMITS:				15			
10) HAVE NOT ADOPTED TECHNICALLY-BASED LOCAL LIMITS:				15			
11) HAVE NO DATE ENTERED INDICATING WHEN PERMIT WAS MODIFIED TO INCLUDE PRETREATMENT IMPLEMENTATION:				15			
TOTAL FOR REGION: 07	108	22	20.3	3	2.7	2	1.8
NUMBER OF CONTROL AUTHORITIES WHICH:							
1) HAVE APPROVED PRETREATMENT PROGRAMS:				19			
2) HAVE ANY PRETREATMENT DATA ON FILE:				15			
3) ARE DEFINED AS MAJOR FACILITIES:				99			
4) HAVE EITHER EFFLUENT NUMERIC OR REPORTING VIOLATIONS:				99			
5) SHOW GREATER THAN 20% OF THEIR SIUS IN SNC WITH PRETREATMENT STANDARDS AND REPORTING REQUIREMENTS:				4			
6) HAVE INSPECTED OR SAMPLED LESS THAN 80% OF THEIR SIUS:				1			
7) OVERSEE SIUS THAT DO NOT HAVE CONTROL MECHANISMS:				2			
8) MEET ALL SEVEN OF THE ABOVE CONDITIONS:				0			
9) HAVE NOT TECHNICALLY EVALUATED THE NEED FOR LOCAL LIMITS:				15			
10) HAVE NOT ADOPTED TECHNICALLY-BASED LOCAL LIMITS:				15			
11) HAVE NO DATE ENTERED INDICATING WHEN PERMIT WAS MODIFIED TO INCLUDE PRETREATMENT IMPLEMENTATION:				15			

Figure 4-30. POTW Implementation Compliance Report

The general format for retrieving this report is:

```
20 PT TYPE=PIC SPLIT=xxxx SUBR=xxx DETAIL=xxxx
20 WITH DTIA LE mmddyy
20 WITH DTIA GE mmddyy
```

Where DTIA is a retrieval acronym representing the PCI Audit Date. "mmddyy" represents a date in the month-day-year format where mm = Month, dd = Day, and yy = Year. On the 20 card PT identifies this as a pretreatment retrieval. "TYPE = PIC" specifies the type of pretreatment retrieval as a "POTW Implementation Compliance report". The following options are available on the 20 card:

SPLIT = will cause page breaks after printing total information at the subregion, State or Region level. Valid values for this option are SUBR (subregion), STTE (State), or REGN (Region). Since subregion summary lines are optional "SUBR = YES" must be coded when requesting "SPLIT = SUBR".

SUBR = is used to specify whether or not totals for each subregion should be printed and to specify whether sorting should include subregions. Valid values are "YES" and "NO". "NO" is the default if "SUBR =" is not coded on the 20 card.

DETAIL = used to select the level of detailed information to be shown on the report and the type of sorting to be performed. Valid values are:

TERM DESCRIPTION

- REGN** - will print one line of summary information per Region for all Regions to which the user has access.
- STTE** - will print one line of summary information for each State within each Region and a total line for each Region to which the user has access. The sort sequence will be by State abbreviation within Region in ascending sequence.
- SUBR** - will print one line of summary data for each subregion within State, within Region, for all States which the user has access. Total lines will be printed for each State and Region. The data for permits that do not have a subregion code will be combined under one subregion and will appear under "TOTAL FOR SUBREGION: " as the first entry for the State due to the implied sorting of subregion in ascending sequence. When subregions are sorted in ascending sequence, any permits where the subregion code is blank will be printed first. "SUBR = YES" or "NO" should be coded on the 20 card when "DETAIL = NPID" or "DETAIL = FNMS".
- NPID** - will print one line of detailed information for each permit number within subregion (optionally), within State, within Region, for each permit to which the user has access. Total lines will be printed for subregion (optionally), State and Region. Permits not assigned to a subregion will be listed as the first entries for the State and a total line will be printed for subregion (optionally), due to the implied ascending sort sequence. This value is the default for the 'DETAIL' option, if 'DETAIL = ' is not coded.
- FNMS** - will cause processing identical to the use of 'NPID' except that the detailed permit information will be sorted by 'FNMS' instead of "NPID" at the detail level. Totaling will be performed at the subregion (optionally), State and Regional levels.

4.19 POTW Enforcement Action Summary Report

The POTW Enforcement Action Summary Report provides calculations and display of combined pretreatment data not available through the user formatted reports such as Quicklook and Milestone reports. The report can be produced in order by permit number, State or Region. For each permit number the report displays the number of Significant Industrial Users (SIUS), Categorical Industrial Users (CIUS), SIUS in Significant Noncompliance (SNC) with standards and reporting number, Civil/Criminal Judicial Actions Against SIUS, Number of Violations and Administrative Orders issued to SIUS, Industrial Users from which Penalties have been collected, and SIUS with Significant Violations Published in Newspapers. Figure 4-31 illustrates the "POTW Enforcement Action Summary Report".

DATE: 09/21/88	PRETREATMENT PERMIT ENFORCEMENT TRACKING SYSTEM										PAGE: 1
POTW ENFORCEMENT ACTION SUMMARY REPORT											
	SIGNIFICANT INDUSTRIAL USERS (SIUS)	SIUS IN SNC WITH STANDARDS OR REPORTING		SIUS IN SNC WITH COMPLIANCE SCHEDULES		SIUS IN SNC WITH SELF- MONITORING		SIUS NOT INSPECTED OR SAMPLED		SIUS IN SNC WITH SELF- MONITORING NOT INSP/SAMP	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL FOR STATE: IOWA	108	22	20.3	7	6.4	1	.9	3	2.7		
TOTAL FOR REGION: 07	108	22	20.3	7	6.4	1	.9	3	2.7		

Figure 4-31. POTW Enforcement Action Summary Report

The general format for retrieving this report is:

20 PT TYPE=ENF SPLIT=xxxx SUBR=xxx DETAIL=xxxx
 20 WITH DTIA LE mmddyy
 20 WITH DTIA GE mmddyy
 20 WITH PSED LE mmddyy
 20 WITH PSED GE mmddyy

Where DTIA is a retrieval acronym representing the PCS Audit Date and PSED is a retrieval acronym representing Summary Pretreatment End Date. "mmddyy" represents a date in the month-day-year format where mm = Month, dd = Day, and yy = Year. On the 20 card PT identifies this as a pretreatment retrieval. "TYPE = ENF" specifies the type of pretreatment retrieval as an "Industrial User Compliance" report. The following options are available on the 20 card:

SPLIT = will cause page breaks after printing total information at the subregion, State or Region level. Valid values for this option are SUBR (subregion), STTE (State), or REGN (Region). Since subregion summary lines are optional "SUBR = YES" must be coded when requesting "SPLIT = SUBR".

SUBR = is used to specify whether or not totals for each subregion should be printed and to specify whether sorting should include subregions. Valid values are "YES" and "NO". "NO" is the default if "SUBR =" is not coded on the 20 card.

DETAIL = used to select the level of detailed information to be shown on the report and the type of sorting to be performed. Valid values are:

TERM	DESCRIPTION
REGN	- will print one line of summary information per Region for all Regions to which the user has access.
STTE	- will print one line of summary information for each State within each Region and a total line for each Region to which the user has access. The sort sequence will be by State abbreviation within Region in ascending sequence.
SUBR	- will print one line of summary data for each subregion within State, within Region, for all States which the user has access. Total lines will be printed for each State and Region. The data for permits that do not have a subregion code will be combined under one subregion and will appear under "TOTAL FOR SUBREGION: " as the first entry for the State due to the implied sorting of subregion in ascending sequence. When subregions are sorted in ascending sequence, any permits where the subregion code is blank will be printed first. "SUBR = YES" or "NO" should be coded on the 20 card when "DETAIL = NPID" or "DETAIL = FNMS".
NPID	- will print one line of detailed information for each permit number within subregion (optionally), within State, within Region, for each permit to which the user has access. Total lines will be printed for subregion (optionally), State and Region. Permits not assigned to a subregion will be listed as the first entries for the State and a total line will be printed for subregion (optionally), due to the implied ascending sort sequence. This value is the default for the 'DETAIL' option, if 'DETAIL =' is not coded.
FNMS	- will cause processing identical to the use of 'NPID' except that the detailed permit information will be sorted by 'FNMS' instead of "NPID" at the detail level. Totalling will be performed at the subregion (optionally), State and Regional levels.

4.20 Pretreatment Hierarchy (PH) Report

The Pretreatment Hierarchy Report provides information on Control Authority jurisdictions, general POTW characteristics, and Significant Industrial User Compliance. This report will also provide linkage of Industrial User permit information with their Pretreatment Control Authority and receiving POTW information. Figure 4-32 on page 4-47 illustrates the "Pretreatment Hierarchy Report".

DATE: 06/05/90

PERMIT COMPLIANCE SYSTEM
PPETS HIERARCHICAL FACILITY REPORT
PERMIT COMPLIANCE SYSTEM
SAMPLE PPETS II RETRIEVAL

PAGE: 4

CONTROL AUTHORITY NPID	RECEIVING POTW NPID	INDUSTRIAL USER NPID	FACILITY NAME	CITY NAME	MAJOR DISCHARGE INDICATOR	PRETREATMENT PROGRAM INDICATOR	STANDARD INDUSTRIAL CLASS.
MISSING	*MISSING*	VAP000099	INDUSTRIAL USER W/O CAID/RPID				
VA0001856			CONTROL AUTHORITY			APPROVED PRET PGM	4952
	VA0000141		POTW RECEIVING EFFLUENT			COVERED BY POTW CONT	
		VAP000006	INDUSTRIAL USER PERMIT #1				
		VAP000029	INDUSTRIAL USER PERMIT #2				
		VAP000001	INDUSTRIAL USER PERMIT #3				
		VAP000002	INDUSTRIAL USER PERMIT #4				
		VAP000027	INDUSTRIAL USER PERMIT #5				
		VAP000007	INDUSTRIAL USER PERMIT #6				

Figure 4-32. Pretreatment Hierarchy Report

The PH report allows the user to retrieve information about how the Control Authority (CAID) and Receiving POTW (RPID) fields have been used to link permitted facilities. Two new acronyms have been added for retrieval purposes.

PTYC - Permit Type Indicator - Control Authority,
3rd character of the CAID field.

PTYR - Permit Type Indicator - Receiving POTW,
3rd character of RPID field.

4.20.1 10-Card Selection

Pretreatment data can be displayed in a hierarchical format. This will combine Pretreatment Control Authority POTWs and Industrial User permits into a hierarchy.

The full use of 10-cards is permitted for this report. When running this report, keep in mind that the system default of PTYP AB should be overridden in order to select the State/Regional Control Authority, Unpermitted, and Industrial Pretreatment records.

10-cards should be used that will limit the facility to PPETS data. PPETS data is determined by the values entered in the Permit Type (PTYP) and Pretreatment (PRET) fields.

PTYP = 'C' - State/Region PPETS Control Authority
 PTYP = 'P' - PPETS Industrial Users
 PRET = 'Y' - Delegated POTW PPETS Control Authority
 PRET = 'M' - PPETS POTW covered by State/Regional Control Authority
 PRET = 'C' - PPETS POTW covered by delegated Control Authority.

Specific use of these values on the 10-card will ensure that the desired PPETS permits will be displayed on the PH report.

Here are some examples:

```
10 STTE EQ CT
10 PTYP LE Z
```

Through the selection statements above all PPETS NPIDs (permit numbers) will be extracted in the State of Connecticut. The selection statements above would generate all Control Authorities in Connecticut with their related POTWs (publicly owned treatment works) and IUs(industrial users).

In the next example, the specific 10-card selections would generate all NPIDs with a CAID (Control Authority Identification Number) equal to CTC000141, and exclude all Industrial User permits (PTYP NE P). The PH Report would display the selected Control Authority Record with its related POTWs:

```
10 CAID EQ CTC000141
10 PTYP NE P
```

4.20.2 20 Report Card Type

```
20 PH DETAIL=XXXX BREAK=ZZZ
```

There are two options allowed on the 20-card. These options determine the sort order of the report. PH designates the report type followed by:

DETAIL=XXXX Two options are allowed for XXXX: NPID, where the PH report will be sorted by permit number, and FNMS, where the report can be sorted by Facility name. NPID is the default.

BREAK=ZZZ Valid values for ZZZ are 'NO', where a page break will occur only after a full page of data, and YES, where there is a page break both after a full page of data and change of Control Authority (CAID) BREAK=NO is the default.

4.20.3 30 Sort Card

The sort sequence is predetermined. No sort card selection is allowed. The sort sequence used by the system is CAID RPID PTYP-D NPID for DETAIL = NPID. The same is true when DETAIL = FNMS

4.21 Strategic Targeting Activities for Results System Moving Base Rpt

The Strategic Targeting Activities for Results System Moving Base report provides quantitative measures of actual counts and percentages of facilities that are in SNC with their:

- Compliance schedules (QNCR Category I and II violations);
- Compliance reporting requirements;
- Effluent limits; and
- Effluent reporting requirements

The Moving Base (MB) report can selectively show the quantitative measures at the subregion, state and/or regional levels.

In order for the MB report to obtain an accurate count of SNC violations, the report looks at the Permit Facility (PF) QNCR Status Code for the date period specified. The report will not look at any facilities that contain the PF QNCR Status Code of 'N' (RNC only), 'P' (resolved pending) or 'R' (resolved), because these PF QNCR Status Codes represent RNC violations only. In the past, the SNC and RNC violations were grouped together under the PF QNCR Status Code of 'N'. For purposes of this report it became necessary to change the definition of 'N' to reflect only RNC violations and create four new PF QNCR Status Codes to represent the various SNC violations. The four new codes and their definitions are as follows:

- D - DMR non-receipt at the permit level
- E - Effluent violations in SNC
- S - Compliance schedules in SNC
- T - Compliance schedule reports in SNC

Figure 4-33 on page 4-50 illustrates the SPMS Moving Base report.

WQ/E-4,5
DATE: 12/21/88

SELECTED OWAS DATA SHEET
OFFICE OF WATER ENFORCEMENT AND PERMITS

	PERMITTEES		
	NPDES-STATE OF:		SUBREGION:
	MUNICIPAL	NONMUNICIPAL	FEDERAL
COMPLIANCE TRACKING OF THE MOVING BASE. FOR THE QUARTER ENDING (DATE): 09/30/88			
A. # ON FINAL EFFLUENT LIMITS (FEL):	0	0	2
1. # AND % IN SIGNIFICANT NONCOMPLIANCE (SNC) WITH FEL:	0 0 %	0 0 %	0 0 %
* 2. # AND % IN SNC WITH REPORTING:	0 0 %	0 0 %	0 0 %
3. TOTAL # AND % OF FEL FACILITIES IN SNC:	0 0 %	0 0 %	0 0 %
B. # NOT ON FEL:	0	0	0
** 1. # AND % IN SNC WITH CONSTRUCTION SCHEDULES:	0 0 %	0 0 %	0 0 %
2. # AND % IN SNC WITH EFFLUENT LIMITS:	0 0 %	0 0 %	0 0 %
3. # AND % IN SNC WITH REPORTING:	0 0 %	0 0 %	0 0 %
4. TOTAL # AND % OF NON-FEL FACILITIES IN SNC:	0 0 %	0 0 %	0 0 %
C. TOTAL # OF FACILITIES:	0	0	2
D. TOTAL # AND % OF FACILITIES IN SNC:	0 0 %	0 0 %	0 0 %
* WHERE FACILITY IS IN SNC WITH ITS REPORTING REQUIREMENTS ONLY. IT SHOULD BE REPORTED IN NONCOMPLIANCE UNDER THE REPORTING CATEGORY; WHERE A FACILITY IS IN SNC WITH BOTH ITS REPORTING REQUIREMENTS AND ITS SCHEDULE; IT SHOULD BE REPORTED IN NONCOMPLIANCE WITH ITS SCHEDULE; WHERE A FACILITY IS IN SNC WITH BOTH ITS REPORTING REQUIREMENTS AND ITS EFFLUENT LIMITS, IT SHOULD BE REPORTED IN NONCOMPLIANCE WITH ITS EFFLUENT LIMITS; WHERE A FACILITY IS IN SNC WITH ITS REPORTING REQUIREMENTS, SCHEDULE, AND EFFLUENT LIMITS, IT SHOULD BE REPORTED IN NONCOMPLIANCE WITH ITS SCHEDULE.			
** WHERE A FACILITY IS IN SNC WITH BOTH ITS SCHEDULE AND INTERIM LIMITS, IT SHOULD BE REPORTED IN NONCOMPLIANCE WITH ITS SCHEDULE.			

Figure 4-33. STARS Moving Base Report

The report is divided into four sections and three categories. The four sections are:

A. # OF FACILITIES ON FINAL EFFLUENT LIMITS (FEL):

This section is further subdivided into three subsections. The percentages for these subsections is calculated by taking the number of facilities counted for each subsection (1, 2 and 3) and dividing by the total number of facilities counted for section (A). The subsections are:

1. # AND % IN SIGNIFICANT NON COMPLIANCE (SNC) WITH FEL: (This counts all the facilities that have a PF QNCR Status Code of 'S' - compliance schedules or 'E' - effluent limits).
2. # AND % IN SNC WITH REPORTING: (This counts all the facilities that have a PF QNCR Status Code of 'D' - DMR non-receipt or 'T' - compliance schedule reports).
3. TOTAL # AND % OF FEL FACILITIES IN SNC: (This adds together the total number of facilities reported in A1 and A2).

B. # FACILITIES NOT ON FEL:

This section is further subdivided into four subsections. The percentages for each subsection is calculated by taking the number of facilities counted for each subsection (1, 2, 3 and 4) and dividing by the total number of facilities counted for the section (B). The subsections are:

1. # AND % IN SNC WITH CONSTRUCTION SCHEDULES: (This counts all facilities that have a PF QNCR Status Code of 'S' - compliance schedules).

2. # AND % IN SNC WITH EFFLUENT LIMITS: (This counts all facilities that have a PF QNCR Status Code of 'E' - effluent limits).
3. # AND % IN SNC WITH REPORTING: (This counts all facilities that have a PF QNCR Status Code of 'D' - DMR non-receipt or 'T' - compliance schedule reports).
4. TOTAL # AND % OF NON-FEL FACILITIES IN SNC: (This adds together the total number of facilities in B1, B2 and B3).
- C. TOTAL # OF FACILITIES:
(This adds together the total number of facilities that are on Final Effluent Limits for Section A and Section B).

Note: In order for this report to correctly count the number of facilities that are on final effluent limits, an 'F' must be entered for the Final Limits Indicator - FLIM!

- D. TOTAL # AND % OF FACILITIES IN SNC:
(This adds together the total number of facilities that are in SNC in A3 and B4. The percentage is calculated by taking the total number of facilities counted in section D and dividing by the total number of facilities counted in section C).

The report displays the totals and percentages for each section and subsection in three categories: Municipals, Nonmunicipals and Federals.

The Strategic Targeting Activities for Results System (STARS) Moving Base (MB) Report produces a retrieval that provides quantitative measures of actual counts and percentages of facilities that are in SNC with their compliance schedule and reporting requirements and their effluent limitations and reporting requirements. The format for the MB report is:

```
20 MB DETAIL=XXX
20 WITH VDAT GE MMDDYY
20 WITH VDAT LE MMDDYY
```

The "DETAIL" option provides the opportunity for the user to determine which level of data to print on the report where:

X = B for Subregion
R for Region
S for State

The "DETAIL" option is required for the MB retrieval but it is not necessary to specify all values of the "DETAIL" option. If the user wishes to print data for the region, the proper 20-card would be as follows:

```
20 MB DETAIL=R
```

If the user wishes to print data for the region, state and subregion, the 20-card would be as follows:

```
20 MB DETAIL=BSR
```

Two "20 WITH" cards are required to specify the time period for which the user wishes the report to count the violations. The date must be specified in "MMDDYY" format as in the following example:

```
20 MB DETAIL=RS
20 WITH VDAT GE 010189
20 WITH VDAT LE 033189
```

The date range specified on the "20 WITH" cards must include a full calendar quarter or the resulting report will only contain the data from the quarter of the end date that was specified. For example, if a user specifies the following dates:

20 MB DETAIL=BSR
 20 WITH VDAT GE 060188
 20 WITH VDAT LE 083188

the report will only contain data from the quarter July 1, 1988 through September 30, 1988. This is because the report looks at the Permit Facility (PF) QNCR Status Codes and there is one code for each quarter of the fiscal year. If a date range is specified that covers two quarters, the report will choose the quarter of the ending date.

The user may use 10-cards to select the facilities to be displayed on the report. Unless otherwise specified through the use of 10-card selection criteria, the following defaults will apply:

- Only active facilities will be selected (IACC EQ A)
- Only NPDES facilities will be selected (PTYP EQ ' ')
- State or region selection will be determined by the user's access authority

A '01' title card is required for retrieval authority but no other title cards are permitted for this retrieval. The title that is specified on the '01' card will not print on the report. The title that is printed will depend on two factors:

1. If the user does not use any 10-card selection criteria and allows the system to use the defaults to produce the retrieval, the title will be 'OWAS DATA SHEET'. (There is only one exception to this rule. If the user specifies MADI EQ M as the ONLY selection criteria, the title on this report will still be 'OWAS DATA SHEET').
2. If the user does use 10-card selection criteria to produce the retrieval, the title will be 'SELECTED OWAS DATA SHEET'. For the second title line, the retrieval will always print 'OFFICE OF WATER ENFORCEMENT AND PERMITS'.

An example of a MB retrieval request for subregion, state and regional data is as follows:

01 02 NEW YORK AND NEW JERSEY MINORS FOR 4TH QUARTER FY88.
 10 STTE AL NY
 10 STTE AL NJ
 10 MADI NE M
 20 MB DETAIL=BSR
 20 WITH VDAT GE 070188
 20 WITH VDAT LE 093088

4.22 Administrative Penalty Order Report

The Administrative Penalty Order (APO) report provides a listing of administrative penalties that have been assessed through enforcement actions. The report can be broken by region, state or subregion. The level of detail can be listed by NPDES permit number or facility name. An optional date range can be specified specified for this report. A month or quarter can be specified or a fiscal year can be specified (the fiscal year begins on October 1st and ends September 30th). A calendar year may not be specified on this report.

There are two sections that print for this report, the CUMULATIVE FY-TO-DATE section and the SUMMARY FY-TO-DATE section. The CUMULATIVE FY-TO-DATE section lists the facilities that have administrative penalties assessed in order by NPDES number or facility name, the date of the proposed and final orders, the penalty amount of the final order by enforcement action violation type and the total amount of all penalties. The facilities are grouped under the following categories:

Non-Pretreatment Penalty Orders Class I (ENAC = A1)
 Non-Pretreatment Penalty Orders Class II (ENAC = A3)
 Pretreatment Penalty Orders Class I (ENAC = A5)
 Pretreatment Penalty Orders Class II (ENAC = A7)
 State Non-Pretreatment Penalty Orders (ENAC = AE)
 State Pretreatment Penalty Orders (ENAC = AF)
 402 Wetland Penalty Orders Class I (ENAC = AA)
 402 Wetland Penalty Orders Class II (ENAC = AC)

The SUMMARY FY-TO-DATE section summarizes the facilities that appeared in the CUMULATIVE FY-TO-DATE section. This section calculates the percentage of APOs issued to the majors appearing in the cumulative section, the percentage of major facilities in Significant Non-Compliance (SNC) for which APO was issued for the facilities appearing in the cumulative section, the total amount of penalties and the average amount of penalties for each of the permit types (i.e., municipal, industrial, federal, general permit, unpermitted, industrial users and others) appearing in the cumulative section.

In the SUMMARY FY-TO-DATE section, there is a line that reads ".00% MAJOR FACILITIES IN SNC FOR WHICH APO ISSUED." If no date range is specified on the 20-card of the retrieval, the report will only look at the current QNCR quarter to determine this percentage. If the date range specified is before the previous year QNCR quarter or after the current year QNCR quarter, the report will print "NOT DETERMINABLE" for this percentage.

The Administrative Penalty Order (APO) report provides a listing of selected facilities that have assessed penalties through enforcement actions. The general format for the APO report is as follows:

```
20 AP BREAK=REGN(STTE,SUBR) SUBR=YES(NO) DETAIL=NPID(FNMS)
20 WITH APFO GT (or GE) mmddyy
20 WITH APFO LT (or LE) mmddyy
```

The options on the 20-card are as follows:

- BREAK=REGN - The report will page break and summarize after each region. This option will be used by EPA headquarters. This option is the default if "BREAK=xxxx" is not specified.
- BREAK=STTE - The report will page break and summarize after each state.
- BREAK=SUBR - The report will page break and summarize after each subregion of a particular state. If a state has a blank for subregion, the blank will print first and the subregions next.
- SUBR=YES - Since the subregion summary lines are optional, you must specify "SUBR=YES" when you specify "BREAK=SUBR".
- SUBR=NO - This option is the default for subregion. If you do not specify "SUBR=xxx" on the 20-card, the report will default to this option.
- DETAIL=NPID - This option will print one line of detailed information for each permit in numeric order.
- DETAIL=FNMS - This option will print one line of detailed information for each permit in alphabetic order. If "DETAIL=xxxx" is not specified, the report will default to this option.

A date range may be specified in order to narrow the number of facilities that will appear on this report. This date range is optional, however, if no date range is specified, the report will only look at the current fiscal year (the report will go to the previous October 1st and look at the final APOs up to the date the report is being run). The user may specify the date range by using "APFO GE(or GT) mmddyy" and "APFO LE(or LT) mmddyy" where "mmddyy" is the month, day, and year of the beginning and ending dates.

The date range specified can be any quarter or month within a year but the user cannot specify a date range that extends beyond a fiscal year (the fiscal year begins October 1st and ends September 30th) or overlaps the end of one fiscal year and the beginning of another fiscal year. In other words, the user cannot run this report for a calendar year (the calendar year begins January 1st and ends December 31st) or overlapping a fiscal year (such as, APFO GE 090188 and APFO LE 103188). If the user specifies a date range that extends beyond the fiscal year, the error message "DATE RANGE NOT SAME FISCAL YEAR" will be encountered.

The user may select any facility to appear on this report through the use of 10-card selection capability. No 30-card sort will be allowed.

Suppose a user wants to look at Illinois facilities that were inspected since January 1, 1988 and look at all of the administrative penalties that were assessed on those facilities in fiscal year 1988 (October, 1987 through September, 1988). The user also wants the report to be broken by subregion and listed in numeric order. The retrieval cards would be specified in the following manner:

```
00 SYNTAX=NO JOBID=APRPT TIME=5M PRTY=1 BIN=D005 RMT=255
01 05 APO REPORT FOR ILLINOIS FOR FISCAL YEAR 1988.
10 STTE EQ IL (State equals Illinois)
10 DTIN GE 010188 (Inspection Date greater than or equal to
    January 1, 1988)
20 AP BREAK=SUBR SUBR=YES DETAIL=NPID
20 WITH APFO GE 100187
20 WITH APFO LE 093088
```

Figure 4-34 illustrates the AP report.

REGION: 05

ADMINISTRATIVE PENALTY ORDER REPORT

DATE: 06/06/89

SUMMARY

FY-TO-DATE

PAGE: 3

1. 100.00% OF APOS ISSUED TO MAJORS

2. .00% MAJOR FACILITIES IN SNC FOR WHICH APO ISSUED.

**** 02 = TOTAL # OF MAJORS

**** 00 = TOTAL # OF MAJORS IN SNC

3. TOTAL/AVERAGE PENALTY BY TYPE OF PERMITTEE.

	TOTAL	AVERAGE
MUNICIPAL	\$0.00	\$0.00
INDUSTRIAL	\$41,800.00	\$20,900.00
FEDERAL	\$0.00	\$0.00
GENERAL	\$0.00	\$0.00
UNPERMITTED	\$0.00	\$0.00
INDUSTRIAL USERS	\$0.00	\$0.00
OTHER	\$0.00	\$0.00

**** ASSUMPTION: SNC IS COMPUTED "ONLY" FOR THE USER REQUESTED END DATE. IF, NO END DATE IS REQUESTED, THEN, SNC IS COMPUTED FOR THE ORIGINAL GENERALIZED RETRIEVAL SUBMISSION DATE. ****

Figure 4-34. Administrative Penalty Retrieval Report

4.23 Quality Assurance Retrieval

4.23.1 Report Description

The Quality Assurance (QA) retrieval is a pre-formatted report similar to the Facility report that displays all the Water Enforcement National Data Base (WENDB) data elements for all data types in PCS and their associated error messages. There is an option to specify which data types are to be displayed and a summary of each data type selected will be printed. A summary will appear as the last page of the report and will provide a total of the number of records that are missing and/or have invalid data elements for each data type with a grand total for each column. When the report displays a data type that does not have any errors, the report will print the title for that section and the words "NO ERRORS" will be displayed underneath the title.

4.23.2 Generalized Retrieval Statements

4.23.2.1 10-CARD Statements

On a QA retrieval, facility level selections on the 10-card are made in the same way as on any PCS Generalized Retrieval.

The retrieval will not allow any selection statements below the facility level on the 10-cards. The retrieval will allow specification using 11 OR card statements providing that the statements are all at the facility level.

4.23.2.2 20-CARD Statements

On the 20-card, select the report type of QA in the following manner:

20 QA

SECTIONS = 20-Card Option: By specifying only the report type on the 20-card, the report will print only facility data. To display additional data types, the option SECTIONS= must be specified after the report type followed by a one character abbreviation corresponding to the particular data type to be viewed as in the following example:

20 QA SECTIONS=FICOLMEPHSNXA

To display all data types, then SECTIONS= A will be specified. The SECTIONS= option will list all of the deficiencies for the data types the user has requested including invalid data elements, missing data elements, and missing records. The one character abbreviations corresponding to a particular data type are as follows:

- F - Permit Facility and Permit Tracking Events
- I - Inspections
- C - Compliance Schedules
- O - Outfall
- L - Parameter Limits
- M - Measurements
- E - Enforcement Actions
- P - Administrative Penalty Orders
- H - Evidentiary Hearings
- S - Single Events
- N - Pretreatment Inspections/Audits
- X - Pretreatment Performance Summary
- A - All Data Types

When a data type is selected, all of the WENDB data elements for that data type will be displayed.

If inspection or measurement data is being selected, the user may wish to display this data only for certain dates. To restrict the display of this data, use WITH statements on the 20-card in the following manner:

20 QA SECTIONS=FM	20 QA SECTIONS=FI
20 WITH MVDT GE 010191	20 WITH DTIN GE 010191
20 WITH MVDT LE 063091	20 WITH DTIN LE 063091

The acronyms MVDT and DTIN are the only acronyms that will be allowed to be used on 20 WITH cards and the above 20 WITH cards are the only 20 WITH cards that will be allowed on this retrieval. These 20 WITH cards may only be used when SECTIONS=M or SECTIONS=I is specified or when SECTIONS=IM is specified then all four 20 WITH cards may be used. The retrieval may also specify any section of data with measurements or inspections and still use the appropriate 20 WITH cards. If an attempt to process a QA retrieval using 20 WITH cards with acronyms that are not MVDT or DTIN, the retrieval will abend with an error message similar to MVDT/DTIN ALLOWED ON 20 WITH. If an attempt to process a QA retrieval using 20 WITH cards that have MVDT and/or DTIN but do not list M for measurements and/or I for inspections under the SECTIONS= option, the retrieval will abend with the error message I OR M NOT LISTED IN SECTIONS.

CURRENT= 20-Card Option: To restrict the display of limit data to the limits that are currently in effect as of the date the retrieval is processed, the option of CURRENT=YES may be used on the 20-card in the following manner:

20 QA SECTIONS=OL CURRENT=YES

Note: CURRENT=mmddyy may also be used, where mmddyy is any date that you want the effective limits for (in Month/Day/Year format). CURRENT=YES will report on the limits that are in effect on the day that the retrieval is run.

The option CURRENT=NO will be the default. Current=YES will only work when the user has specified limits in the SECTIONS= option.

MISSING= 20-Card Option: The MISSING= option looks for missing data types as well as missing data elements. For example if the retrieval requests outfall data for major facilities, the report will check the permit issuance date. If the permit issuance date is present but the outfall data is missing, the report will print the message NO OUTPUT RECORDS ON FILE FOR THIS PERMIT in the ERROR MESSAGE column in the outfall section, the parameter limits section, and the measurement/violation section on the report.

The MISSING= option can be requested on the 20-card in the same manner as the SECTIONS= option where a one character abbreviation will correspond to the data type the user wishes to view. The SECTIONS= and MISSING= options may both be specified on the retrieval at the same time, however, the sections of missing data to be viewed using the MISSING= option may NOT overlap the sections of data to be viewed using the SECTIONS= option. For example, if a retrieval requested both invalid data elements and missing records for compliance schedules and only missing records for parameter limits and on the 20-card the retrieval specified:

20 QA SECTIONS=CL MISSING=L

The retrieval will abend with a syntax error and produce an error message that is similar to CANNOT OVERLAP SECTIONS AND MISSING OPTIONS.

The MISSING= option will be specified on the 20-card in the following manner:

20 QA MISSING=FICOLMEPHSNXA

To display missing records for all data types, then MISSING=A will be specified. One character abbreviations corresponding to a particular data type are the same as the SECTION= option above.

ERRORS= 20-Card Option: The ERRORS= option is specific to the particular data element with which it is associated. For example, if the permit issuance date is greater than the permit expiration date, the report would print PERE NEEDS TO BE UPDATED WITH CURRENT PERMIT DATE. In another example, if the compliance schedule actual date is less than the compliance schedule received date, the report would print DTRC IS GREATER THAN DTAC.

The ERRORS= option may be specified on the same retrieval with the SECTIONS= and MISSING= options, however, the sections of data to be viewed using the ERRORS= option may NOT overlap with the sections of data to be viewed using the SECTIONS= or the MISSING= options. For example:

20 QA ERRORS=P

To display records with only errors for all data types, then ERRORS= A will be specified. The one character abbreviations corresponding to a particular data type are the same as the SECTIONS= option above.

Sample of using multiple Options: Several of the options may be requested in a single retrieval. The only thing to keep in mind is that the data types cannot be overlapped. The following example shows how a request can be made for ALL Inspection and Compliance Schedule WENDB data elements, MISSING WENDB data elements for Outfall and Limit data elements, and Enforcement Actions with ERRORS in the WENDB data elements. The following 20-card would be used to request this retrieval.

20 QA SECTIONS=IC MISSING=OL ERRORS=E

4.23.3 Summary Section

The QA report will print a summary page as the last page of the report and will summarize all of the data elements that are displayed on the report in a similar manner as the summary pages on the UPDATE/AUDIT report by displaying each data type and the number of records for each data type that have missing or invalid data elements. SUM= YES is the default for this option and will automatically print the summary pages if the SUM= option has not been specified. If the user does not wish to have the summary pages printed, the summary option can be inactivated by specifying SUM= NO on the 20-card in the following manner:

20 QA SUM=NO

The retrieval may not call for the detailed information to be printed, and only have the summary pages printed. The retrieval may specify DETAILS= NO to obtain only the summary pages without any detailed information. DETAILS= YES is the default for this option and will automatically print the detailed information and the summary pages, as long as, SUM= NO has not also been specified. The retrieval will specify the DETAILS= option on the 20-card in the following manner:

20 QA DETAILS=NO

Note: Both SUM= NO and DETAILS= NO cannot be specified on the same retrieval.

Special SUM= 20-Card Options: The retrieval may have a summary page printed after each region, state, or sub-region. The user may obtain these summary pages by specifying the following on the 20-card:

20 QA SUM=REGN

This option will print one summary page for each region (if more than one region has been specified).

20 QA SUM=STTE

This option will print a summary page after each state and then print a summary page for the region as the last page of the report if more than one state has been specified on the 10-cards.

20 QA SUM=SUBR

This option will print a summary page after each sub-region and then print a summary page for the state or region specified as the last page of the report.

The option SUM= YES will only print one summary page as the last page of the report and will be a total for all states or regions.

When the user specifies SUM= REGN, SUM= STTE or SUM= SUBR, 30-card sorting will no longer be allowed.

4.23.3.1 30-CARD Sorting

One 30-card sort statement is allowed for the QA retrieval. If a 30-card sort is not specified, the QA retrieval will default to sorting by the NPDES permit number. The retrieval may sort data using only facility level acronyms on the 30-card in the following manner:

```
10 STTE EQ NY
10 MADI EQ M
20 QA SECTIONS=FCOLM
20 WITH MVDI GE 010190
20 WITH MVDI LE 063090
30 SUBR CNTY FNMS
```

If the user wishes to print summary pages as part of the retrieval request, 30-card sorting will not be allowed if the options of SUM= SUBR, SUM= STTE, or SUM= REGN.

4.23.4 Data Element Error Messages

The following sections describe for each field the type of QA check that the retrieval performs. The information is grouped by data type. Some fields have a line that indicates the Related Data Elements. These related data elements are used to cross check (double check) the data element that is in question.

A.1 Administrative Penalty Orders

The system will not be able to determine for which permits administrative penalty orders are required. If the retrieval has selected only major permits, only minor permits, only PL 92-500 permits or any combination of these through the use of 10-card selection statements, the same error message determinations will be used in all cases. The report will look at the enforcement action record to determine if an administrative penalty order is missing.

ENAC - If ENAC contains an enforcement action code of AA, AC, AE, AF, A1, A3, A5, A7, B2, or B4 and there is no administrative penalty order record present with the same enforcement action key data elements, the report will print APO RECORD MISSING in the ERROR MESSAGE column.

EATP - Part of the key field. No error message will be produced.

ENDT - Part of the key field. No error message will be produced.

APDT - This date is generated by the system and is always equal to ENDT.
No error message will be produced.

APCL - This is a WENDB data element and should be entered. If it is not present, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column on the report.

APHR - The report cannot determine if this field should be entered or not. No error message will be produced.

APFO - The report will compare this date to APDT to see if APFO is at least 30 days past APDT. If not, the report will print APFO IS LESS THAN 30 DAYS PAST APDT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - APAM

APAM - This field only needs to be present when the APFO field has a date. If APFO is present and this field is blank the report will print APAM SHOULD BE PRESENT WHEN APFO IS PRESENT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - APFO

APAP - The report cannot determine if this field should be present or not. No error message will be produced.

APAF - The report cannot determine if this field should be present or not. No error message will be produced.

APPC - This field needs to be present only if APFO is present. If APFO is present and APPC is blank the report will print APPC SHOULD BE PRESENT WHEN APFO IS PRESENT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - APFO

A.2 Compliance Schedules

Compliance schedules are required for majors and minor PL 92-500 permits, when applicable. If the retrieval has selected minor permits through the use of 10-card selection statements, the same error message determinations will be used as for majors and minor PL92-500 permits. Compliance schedules will not include compliance schedule violations because the violations are automatically determined by the system unless a user wishes to enter a manual violation and the system cannot determine the validity of a manual violation. All compliance schedule event codes are WENDB data elements, however, the requirements for compliance schedule events are different for every permit and the system cannot determine which events are necessary for a particular permit. When a permit contains a construction schedule, there are three event codes that are required to be present. These event codes are:

03099 - Begin Construction
04599 - End Construction
05599 - Operational Level Attained
or
05699 - Final Compliance With Effluent Limits

The report cannot determine that an entire construction schedule is missing when it does not find any of the construction schedule event codes in a permit. That permit may not contain a construction schedule

and is not required to have a construction schedule. The report cannot determine this.

CSCH - Part of the key field. No error message will be produced.

DSCD - Part of the key field. No error message will be produced.

EVNT - When the report encounters the event code 03099 or the event code 04599, the report can assume a construction schedule is present. If the event codes 03099 or 04599 is present and the event code 05599 or 05699 is not present, the report will list the event code 05599 under the DATA ELEMENT heading and list all of the key values for that compliance schedule and print REQUIRED CONSTRUCTION EVENT IS MISSING in the ERROR MESSAGE column. Also, if the event code 03099 is present and the event 04599 is not present, the report will list the event 04599 and print REQUIRED CONSTRUCTION EVENT IS MISSING in the ERROR MESSAGE column. Also, if the event code 05599 or 05699 is present and the event code 03099 or 04599 is not present, the report will list both event codes 03099 and 04599 under the DATA ELEMENT heading and print REQUIRED CONSTRUCTION EVENT IS MISSING in the ERROR MESSAGE column for both events.
RELATED DATA ELEMENTS - EVNT 03099, 04599, 05599, 05699

DTSC - If a compliance schedule event code is present and DTSC is blank, the report will print DTSC IS MISSING in the ERROR MESSAGE column on the report.
RELATED DATA ELEMENT - EVNT

DTAC - The report cannot determine if DTAC should be present. No error message will be produced.

DTRC - The system will compare this field to DTAC. If DTAC is less than DTRC the report will print DTRC IS GREATER THAN DTAC in the ERROR MESSAGE column on the report.
RELATED DATA ELEMENT - DTAC

CSFN - If this field is blank, the report will check CSCH to see if CSCH contains an extended compliance schedule number. If CSCH contains an extended compliance schedule number and this field is blank the report will print CSFN IS MISSING FOR AN EXTENDED COMPLIANCE SCHEDULE in the ERROR MESSAGE column on the report. The compliance schedule numbers for extended compliance schedules are as follows:

CC - SCHED ESTABLISHED BY CCP
DA - 309 (A) (5) (A) - INTERIM
DB - 309 (A) (5) (A) - FINAL
DC - 309 (A) (5) (A) - MUNICIPALS
DD - 309 (A) (5) (B)
DE - 309 (A) (6)
DZ - ADMIN ORDERS FOR INDUSTRIALS
FF - FED FACILITY COMP AGREEMENT
GA - FED JUDICIAL DECREES
HA - STATE JUDICIAL DECREES

HC - STATE NON-JUDICIAL DECREES (IND & MUN)
JA - STATE ADMINISTRATIVE DECREES
MC - ENFORCEMENT SCHEDULE FOR MUN COMP STRATEGY
PT - PRETREATMENT, ENFORCEMENT ACTION
RELATED DATA ELEMENT - CSCH

A.3 Enforcement Actions

Enforcement actions are required for all major permits and all minor PL 92-500 permits, when applicable. If the retrieval has selected minor permits through the use of 10-card selection statements, the same error message determinations will be used as for major permits and minor PL 92-500 permits.

ENAC - If there is a formal enforcement action code in the COLS field and a docket number in the PLFN field on the parameter limits record or an extended compliance schedule number has been used in the CSCH field and a docket number in the CSFN field on the compliance schedule record and there are no enforcement action records with a formal enforcement action code in ENAC, the report will print FORMAL ENFORCEMENT ACTION RECORD MISSING in the ERROR MESSAGE column. The enforcement action comments will be displayed for reference purposes only. There will be no error messages for enforcement action comments.
RELATED DATA ELEMENTS - COLS, PLFN, CSCH, CSFN

ENAC - Part of the key. No error message will be produced.

EATP - Part of the key field. No error message will be produced.

ENDT - Part of the key field. No error message will be produced.

EVTP - This field must be present in order for a formal enforcement action record to be linked to the effluent, compliance schedule, or single event violations. If ENAC contains a formal enforcement action code as identified in Appendix C of this analysis and ERFN contains a docket number and EVTP does not contain a value of E1, E2, E3, C1, C2, S1, or S2 the report will print FORMAL ENFORCEMENT ACTION IS NOT LINKED TO VIOLATIONS in the ERROR MESSAGE column.
RELATED DATA ELEMENTS - ENAC, ERFN

ENST - The report cannot determine when this field will be required. No error message will be produced.

ESDT - If ESDT is blank and ENST is present, the report will print ESDT MUST CONTAIN A DATE WHEN ENST IS PRESENT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - ENST

ERDT - ERDT is required to be entered for active formal and informal enforcement actions. If ENST does not contain the values CL or CS and ERDT is blank, the report will print ERDT IS MISSING FOR AN ACTIVE ENFORCEMENT ACTION in the ERROR MESSAGE column.
RELATED DATA ELEMENT - ENST

EKAC - Part of the key field. No error message will be produced.

EKTP - Part of the key field. No error message will be produced.

EKDT - Part of the key field. No error message will be produced.

EVSU - Part of the key field. No error message will be produced.

EVCD - Part of the key field. No error message will be produced.

EVEV - Part of the key field. No error message will be produced.

ECVC - Part of the key field. No error message will be produced.

ECVD - Part of the key field. No error message will be produced.

ERFN - This field is required to link a formal enforcement record to the appropriate violation record. The report will look at ENAC and if ERFN is blank for a formal enforcement action, the report will print ERFN REQUIRED FOR FORMAL ENFORCEMENT ACTIONS in the ERROR MESSAGE column.
RELATED DATA ELEMENT - ENAC

EVMD - Part of the key field. No error message will be produced.

EVDS - Part of the key field. No error message will be produced.

EVRD - Part of the key field. No error message will be produced.

EVLM - Part of the key field. No error message will be produced.

EVPR - Part of the key field. No error message will be produced.

EVML - Part of the key field. No error message will be produced.

EMOD - Part of the key field. No error message will be produced.

ESEA - Part of the key field. No error message will be produced.

A.4 Evidentiary Hearings

Evidentiary hearings are required to be entered for all permits that have evidentiary hearings. However, not every facility will have an evidentiary hearing record. To determine which facilities should have an evidentiary hearing record, the report will look at the permit facility record and the parameter limit record.

EHEV - The report will look at the EHIN field and if this field contains a value of 'A' and there is not an evidentiary hearing record, the report will print EVIDENTIARY HEARING MISSING in the ERROR MESSAGE column. If EHIN contains a value of 'I', the report will look at the CONP field on the parameter limit record. If this field contains a value, the report will print EVIDENTIARY HEARING MISSING in the ERROR MESSAGE column. Refer to Appendix C for a

list of the required evidentiary hearing event codes.
RELATED DATA ELEMENT - EHIN, CONP

EHDT - If EHEV is present and EHDT is not present, the report will print
EHDT REQUIRED WHEN EHEV IS PRESENT in the ERROR MESSAGE column
RELATED DATA ELEMENT - EHEV

A.5 Inspections

All major facilities are required to be inspected on a yearly basis after they have been issued a permit. If the retrieval has selected minor permits and/or minor PL 92-500 permits through the use of 10-card selection statements, the same error message determinations will be used as for major permits.

DTIN - The report will look at the Permit Issuance Date (PERD) and if the current date, the date the report is generated, is greater than one year past the PERD and there are no inspection records for the facility, the report will print THERE ARE NO INSPECTIONS FOR THIS FACILITY in the ERROR MESSAGE column. Also, if the current date is greater than one year past the most recent inspection record, the report will print INSPECTION RECORD NOT CURRENT in the ERROR MESSAGE COLUMN.
RELATED DATA ELEMENT - PERD

TYPI - Part of the key field. No error message will be produced.

INSP - This is a WENDB data element and should be entered on all inspection records. If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

ICOM - If the TYPI field has either an I or a U and the ICOM field is blank or has alphabetic characters in the first three characters of the field, the report will print the message FIRST 3 CHARACTERS MUST BE NUMERIC FOR I OR U INSPECTIONS in the ERROR MESSAGE column.
RELATED DATA ELEMENT - TYPI

A.6 Measurements

Measurements are required for all major permits. If the retrieval has selected minor permits and/or minor PL 92-500 permits through the use of 10-card selection statements, the same error message determinations will be used as for major permits.

MVDT - The report will look at the MVIO field on the measurement/violation record. If MVIO contains D10, D20 or D30, the report will print MISSING MEASUREMENT RECORD in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

NODI - This is a required field if there is no discharge for a particular parameter. However, the report cannot determine that a parameter is supposed to have a no discharge code. There will be no error message for this field.

VDSG - Part of the key field. No error message will be produced.

VIPQ - System generated field. No error message will be produced.

VLIM - Part of the key field. No error message will be produced.

VPRM - Part of the key field. No error message will be produced.

VMLO - Part of the key field. No error message will be produced.

VMOD - Part of the key field. No error message will be produced.

VSEA - Part of the key field. No error message will be produced.

MQAV - The report will look at the MVIO field to determine the error messages for this field. If MVIO contains a value of E01 or E21 the report will print MONITORED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column. If MVIO contains a value of E31 or E51 the report will print LIMITED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

MQMX - The report will look at the MVIO field to determine the error messages for this field. If MVIO contains a value of E01 or E21 the report will print MONITORED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column. If MVIO contains a value of E31 or E51 the report will print LIMITED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

MCMN - The report will look at the MVIO field to determine the error messages for this field. If MVIO contains a value of E11 or E21 the report will print MONITORED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column. If MVIO contains a value of E41 or E51 the report will print LIMITED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

MCAV - The report will look at the MVIO field to determine the error messages for this field. If MVIO contains a value of E11 or E21 the report will print MONITORED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column. If MVIO contains a value of E41 or E51 the report will print LIMITED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

MCMX - The report will look at the MVIO field to determine the error messages for this field. If MVIO contains a value of E11 or E21 the report will print MONITORED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column. If MVIO contains a value of E41 or E51 the report will print LIMITED VALUE NEEDS TO BE ENTERED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - MVIO

A.7 Parameter Limits

Parameter limits are required for all major permits. If the retrieval has selected minor permits and/or minor PL 92-500 permits through the use of 10-card selection statements, the same error message determinations will be used as for major permits.

PDSG - If DSDG is present and PDSG is not present, the report will print
LIMIT RECORDS ARE MISSING FOR THIS PIPE SCHEDULE in the ERROR
MESSAGE column.
RELATED DATA ELEMENT - MVIO

LIPQ - System generated field. No error message will be produced.

LTPY - Part of the key field. No error message will be produced.

PRAM - Part of the key field. No error message will be produced.

MLOC - Part of the key field. No error message will be produced.

SEAN - Part of the key field. No error message will be produced.

MODN - Part of the key field. No error message will be produced.

COLS - If PLFN contains a docket number and this field is not present,
the report will print COLS SHOULD BE ENTERED WHEN PLFN IS
PRESENT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - PLFN

CONP - The report cannot determine if this field is required to be
present or not. No error message will be produced.

PLFN - If COLS contains a formal enforcement action code and this field
is not present, the report will print PLFN SHOULD CONTAIN A
DOCKET NUMBER WHEN COLS IS FORMAL in the ERROR MESSAGE column.
RELATED DATA ELEMENT - COLS

STAT - If this field is blank, the report will print MISSING WENDB DATA
ELEMENT in the ERROR MESSAGE column.

LQUC - If MODN contains a value of 0 and LQAV and/or LQMX contains a
value and LQUC does not contain a value, the report will print
LQUC SHOULD BE PRESENT WHEN QUANTITY IS LIMITED in the ERROR
MESSAGE column.
RELATED DATA ELEMENT - MODN, LQAV, LQMX

LQAV - The report cannot determine if this field should be present or
not. No error message will be produced.

LQMX - The report cannot determine if this field should be present or
not. No error message will be produced.

LCUC - If MODN contains a value of 0 and LCMN and/or LCAV and/or LCMX
contains a value and LCUC does not contain a value, the report
will print LCUC SHOULD BE ENTERED WHEN CONCENTRATION IS LIMITED

in the ERROR MESSAGE column.

RELATED DATA ELEMENT - MODN, LCMN, LCAV, LCMX

LCMN - The report cannot determine if this field should be present or not. No error message will be produced.

LCAV - The report cannot determine if this field should be present or not. No error message will be produced.

LCMX - The report cannot determine if this field should be present or not. No error message will be produced.

A.8 Permit Facility

Permit facility data is required for all permits. Permit tracking event records will print with the permit facility record in order to utilize space more efficiently on the report. There are 13 permit tracking event codes that are required WENDB data elements for all permits, when applicable. Refer to Appendix C for a complete list of the 13 WENDB permit tracking event codes. However, not every permit tracking event will be required for every permit. There are four permit tracking events that are required to be present for every permit, when applicable. These are:

P1099 - Application Received Date (APRD)

P3099 - Public Notice Date (PNOT)

P4099 - Permit Issuance Date (PERD)

P5099 - Permit Expiration Date (PERE)

FNMS - If this field is blank, the report will print FNMS MUST BE PRESENT FOR ALL PERMITS in the ERROR MESSAGE column.

MADI - This field is entered by headquarters. No error message will be produced.

FDGR - The report cannot determine if this field is required. No error message will be produced.

IACC - This field defaults to A for active. The report cannot determine if this field should have an I for inactive or G for a standard NPDES permit which has been inactivated because it has been reissued as a General permit or not. No error message will be produced.

IADT - If IACC is A and this field has a date, the report will print IADT SHOULD BE BLANK WHEN IACC = A in the ERROR MESSAGE column.
RELATED DATA ELEMENT - IACC

SIC2 - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

TYPO - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

CITY - If this field is blank, the report will print MISSING WENDB

DATA ELEMENT in the ERROR MESSAGE column.

CNTY - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

BAS6 - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

EPST - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLOW - If this field is blank, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLIM - The report cannot determine if a facility is capable of achieving final limits or not. No error message will be produced.

**PRET - The report will look at the Type of Inspection (TYPI) field. If TYPI has a value of 'I', 'U', 'G', 'P', or 'F' for this facility and PRET does not have a value, the report will print PRET IS BLANK WHEN PRETREATMENT INSPECTION HAS BEEN CONDUCTED in the ERROR MESSAGE column.
RELATED DATA ELEMENT - TYPI**

**NPFF - The report will check RDC2 and if there is a value of 'N' in RDC2 and this field is blank, the report will print NPFF SHOULD BE ENTERED FOR ALL NMP SCHEDULES in the ERROR MESSAGE column.
RELATED DATA ELEMENT - RDC2**

**NPSC - If there is at least one compliance schedule record that has a value of 'N' for RDC2 and NPSC is not present, the report will print NPSC SHOULD BE ENTERED FOR ALL NMP SCHEDULES in the ERROR MESSAGE column.
RELATED DATA ELEMENT - RDC2**

**NPSQ - The report will check RDC2 and if there is a value of 'N' in RDC2 and this field is blank, the report will print NPSQ SHOULD BE ENTERED FOR ALL NMP SCHEDULES in the ERROR MESSAGE column.
RELATED DATA ELEMENT - RDC2**

APRD - If this field is blank the report will print APRD SHOULD BE ENTERED FOR ALL PERMITS in the ERROR MESSAGE column.

**PNOT - If PERD is present and PNOT is blank, the report will print PNOT IS MISSING WHEN PERMIT HAS BEEN ISSUED in the ERROR MESSAGE column. If PNOT is present, but is less than APRD and PERD is not present, the report will print PNOT IS LESS THAN APRD AND SHOULD BE UPDATED in the ERROR MESSAGE column. If APRD is present and PERD is present and is greater than APRD and PNOT is less than APRD, the report will print PNOT NOT CURRENT WITH PERMIT in the ERROR MESSAGE column.
RELATED DATA ELEMENTS - APRD, PERD**

PERD - If PERE is present and PERD is not present, the report will print PERD IS MISSING WHEN PERE IS PRESENT in the ERROR MESSAGE

column. If the date in PERD is more than 6 years less than the date in PERE, the report will print PERD NEEDS TO BE UPDATED WITH CURRENT PERMIT DATE in the ERROR MESSAGE column.
RELATED DATA ELEMENT - PERE

PERE - If PERD is present and PERE is not present, the report will print PERE IS MISSING WHEN PERD IS PRESENT in the ERROR MESSAGE column. If PERD is greater than PERE, the report will print PERE NEEDS TO BE UPDATED WITH CURRENT PERMIT DATE in the ERROR MESSAGE column.
RELATED DATA ELEMENT - PERD

FHBC - If FHBC is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLLM - If FLLM is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLLT - If FLLT is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLLS - If FLLS is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

FLLD - If FLLD is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

A.9 Pipe Schedules

Pipe schedules are required for all major facilities that have an issued permit. If the retrieval has selected minor permits and/or minor PL 92-500 permits through the use of 10-card selection statements, the same error message determinations will be used as for major permits.

DSDG - If PERD has a date present and there are no pipe schedules present for the facility, the report will print NO OUTFALL RECORDS ON FILE FOR THIS PERMIT in the ERROR MESSAGE column.
RELATED DATA ELEMENT - PERD

PIPQ - System generated field. No error message will be produced.

STRP - The system requires this field to be entered and requires that the first day of a month to be entered as the date for this field. The report will look at the limits dates for the pipe schedule (ILSD, MLSD, FLSD) to determine if this field needs to be updated. If the date in ILSD, MLSD, or FLSD is at 5 1/2 years older or more than the date in STRP, the report will print STRP NEEDS TO BE UPDATED TO REFLECT CURRENT PERMIT in the ERROR MESSAGE column.
RELATED DATA ELEMENTS - ILSD, MLSD, FLSD

REUN - The system requires an 'M' to be entered into this field. No error message will be produced.

NRPU - The system requires data to be entered into this field. No error message will be produced.

STSU - If EPST has an E and STSS is blank and this field is blank, the report will print STSU OR STSS NEEDS TO BE ENTERED FOR THIS PIPE SCHEDULE in the ERROR MESSAGE column.
RELATED DATA ELEMENTS - EPST, STSS

SUUN - If STSU is present, the system requires this field to be entered. No error message will be produced.

NSUN - If STSU is present, the system requires this field to be entered. No error message will be produced.

STSS - If EPST has an S and STSU is blank and this field is blank, the report will print STSU OR STSS NEEDS TO BE ENTERED FOR THIS PIPE SCHEDULE in the ERROR MESSAGE column.
RELATED DATA ELEMENTS - EPST, STSU

SUUS - If STSS is present, the system requires this field to be entered. No error message will be produced.

NSUS - If STSS is present, the system requires this field to be entered. No error message will be produced.

PIAC - This field defaults to A when not entered. The report cannot determine if this field should be I. No error message will be produced.

PIDT - If PIAC is A and this field is present, the report will print PIDT SHOULD BE BLANK WHEN PIAC = A in the ERROR MESSAGE column.
RELATED DATA ELEMENT - PIAC

PLLM - If PLLM is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

PLLT - If PLLT is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

PLLS - If PLLS is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

PLLD - If PLLD is missing, the report will print MISSING WENDB DATA ELEMENT in the ERROR MESSAGE column.

A.10 Pretreatment PCIs/Audits

Pretreatment inspections are required for all permits that perform pretreatment.

DTIA - The report will look at the Type of Inspection (TYPI) on the inspection record to determine if this record should exist or not. If the TYPI has a code of G, P or F and there is no date in DTIA that is exactly the same as the DTIN date on the inspection record that has the TYPI of G, P or F, the report

will print the word PRETREATMENT RECORD MISSING in the ERROR MESSAGE column.
RELATED DATA ELEMENT - TYPI

SIUS - If this field is missing, the report will print the word *MISSING* in the SIUS field.

CIUS - If this field is missing, the report will print the word *MISSING* in the CIUS field.

NOIN - If this field is missing, the report will print the word *MISSING* in the NOIN field.

NOCM - If this field is missing, the report will print the word *MISSING* in the NOCM field.

PSNC - If this field is missing, the report will print the word *MISSING* in the PSNC field.

MSNC - If this field is missing, the report will print the word *MISSING* in the MSNC field.

SNIN - If this field is missing, the report will print the word *MISSING* in the SNIN field.

PTIM - If this field is missing, the report will print the word *MISSING* in the PTIM field.

EVLL - If this field is missing, the report will print the word *MISSING* in the EVLL field.

ADLL - If this field is missing, the report will print the word *MISSING* in the ADLL field.

A.11 Pretreatment Performance Summary

Pretreatment performance summaries are required to be entered into PCS on an annual basis for POTWs who have an approved pretreatment program.

PSED - Pretreatment performance summaries are supposed to be conducted once a year so the report will look at the date in the PSED field. If the date is at least 15 months prior to the date the QA retrieval is being run, the report will print *PSED NOT CURRENT* in the error message field beside PSED. To determine that the PSED is missing when there are no PSED records on file for a facility, the report will look at the TYPI field on the inspection record. If TYPI contains a code of G, P, or F and the date in DTIN for those inspections is at least 15 months prior to the date the QA retrieval is being run, the report will print the word *MISSING* in the RECD field on the pretreatment performance summary record.

RELATED DATA ELEMENTS - DTIN, TYPI

PSSD - If this field is missing, the report will print the word

MISSING in the PSSD field.

SSNC - If this field is missing, the report will print the word
MISSING in the SSNC field.

FENF - If this field is missing, the report will print the word
MISSING in the FENF field.

JUDI - If this field is missing, the report will print the word
MISSING in the JUDI field.

SVPU - If this field is missing, the report will print the word
MISSING in the SVPU field.

IUPN - If this field is missing, the report will print the word
MISSING in the IUPN field.

A.12 Single Event Violations

Single event violations are required to be entered into PCS when a facility has a single event violation. The report cannot determine when a facility will have a single event violation so it cannot check for missing records.

SVCD - Part of the key field. No error message will be produced.

SVDT - Part of the key field. No error message will be produced.

SNCS - The report cannot determine which detection code is correct for this field. No error message will be produced.

SNDS - The report cannot determine which date is correct for this field. No error message will be produced.

SRCS - The report cannot determine which detection code is correct for this field. No error message will be produced.

SRDS - The report cannot determine which date is correct for this field. No error message will be produced.

4.24 Permit Compliance System Personal Assistance Link Extract

The PCS Personal Assistance Link (PAL) Extract is a Generalized Retrieval that creates a 'Quick File' type file containing data to be used by the PAL software after being downloaded to a personal computer. Like the Quick File extract, the PAL extract creates a file on the IBM 3090 at the National Computer Center and can be downloaded to a personal computer. Unlike the Quick File extract, the user cannot choose which data types will be saved in the file. The following data will be saved in the file:

- Facility Data
- SNC Data
- Inspection Data
- Pretreatment Annual Report Data
- Enforcement Action Data

When the PAL extract retrieval is processed, all of this data will be saved in the file. The user can choose which facilities will be selected through the use of 10-card selection capability. Figure 4-35 on page 4-72 illustrates the PCS PAL Extract.

```

.....
PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL
.....

THE PCS-PAL DATASET CREATED BY THIS JOB IS STORED IN

      DSN=MVMA040.PALEXT.PALDATA,
      DISP=MOD

.....
PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL PCS-PAL
.....

```

Figure 4-35. PAL Retrieval Report

The PAL Extract creates a file similar to the Quick File extract containing data to be downloaded to a personal computer and used for the PAL software. The format for the PAL (PA) extract is as follows:

20 PA DSN=xxxxxxx DISP=ddd SNC=M

where xxxxxxx = any 8-character dataset name to be determined
by the user;

ddd = MOD when the dataset name has not been used
before.

OLD when the dataset name has been used previously,
the dataset will be overwritten with the data from this report.

Note: DO NOT use MOD on a previously existing data set. PAL cannot accept multiple extracts in a single file.

SNC = M will list SNC violations only for major facilities. This is optional and is to be used if the user wishes to list both minor and major facilities on this report. By using this option, the report will list only SNC violations for the major facilities that appear on the report.

The user will be able to use any facility level 10-card selection criteria to select the facilities to be contained in the dataset. If the user does not specify a region or state, the facilities contained in the dataset will be determined by the user's access authority. An example of a PA report for Ohio major industrials is as follows:

```

01 05 MAJOR INDUSTRIALS FOR OHIO FOR PAL.
10 STTE EQ OH
10 MADI EQ M
10 INCL NE M
20 PA DSN=OHIOIND DISP=MOD SNC=M

```

4.24.1 Procedures For Loading PAL With Current PCS Data

The Generalized Retrieval PAL extract file, PAL dBase files, and PAL software files should be downloaded from the NCC mainframe computer using the same procedures that are used when downloading any file from the mainframe.

4.24.2 Downloading PAL from the NCC Mainframe

All files necessary to use PAL on a PC are available for downloading from the NCC mainframe. This allows new versions of the software to be distributed to users very quickly. Information about the mainframe files that are available and how to download the files is available in a file on the mainframe. The information is contained in the following library:

A040.PCSDOC.DOWNLOAD

The following list provides a summary of the major members in that file:

ARCHIVE Instructions for Decompressing archived software. Downloading the "archived" version of the software will save time during the download process.

DIRECT Instructions for using PC SEND/RECEIVE software for downloading the software. This method requires using a PC that is "hardwired" to NCC (you don't have to dial-up NCC).

FILES Provides a list and VERSION number of each software/dBase file that is stored on the mainframe. The Date/Time of the last change to the software is also given.

KERMIT Instructions for using KERMIT to download files.

Note: The PAL software files must be downloaded as *BINARY* files. The PAL extract data files must be downloaded as *TEXT* files. More information on this can be found in the KERMIT and DIRECT members of the library mentioned above.

4.24.3 Loading PAL on a PC

After downloading the PAL software, dBase files, and PAL extract data file to the PC, type the following at the C: > prompt on the PC.

PALLOAD

PALLOAD will prompt you for the PAL extract file name.

Note: The PAL software may be stored in a subdirectory if you wish. However, all programs must be stored on the same subdirectory. Also, if the Archived version of the software is being used, then you must DEARCHIVE the software on the PC before entering PALLOAD. Also, be sure that the file you download to the PC has an extension on the end of the name (eg. PAL.EXE, .EXT is the extension).

After PALLOAD has been completed you can then run PAL by entering the following at the C: > prompt.

PAL

Chapter 5. Report Creation and Processing

This section gives detailed instructions for processing a retrieval through the Generalized Retrieval subsystem. First, the format and order of the retrieval cards will be explained. Secondly, methods for entering the set of retrieval cards into the computer system for processing will be discussed. Third, information produced by the computer system and the Generalized Retrieval subsystem will be illustrated and explained. Finally, the special processing steps needed to complete retrievals for mailing labels and DMR forms will be explained.

5.1 Card Images

Information submitted for processing by a computer used to be key punched onto cards, and subsequently inputted into the computer via a card reader. This practice is less common now, but batch data (data which is submitted and processed in turn by the computer) is still frequently coded in a "card image" format. In this process, each record or line of data is restricted to a maximum length of 80 characters.

PCS retrievals are still submitted in "card image" form. Each type of card is identified by the numbers which occur in the first two positions of an 80 character record. For example, a card that has "10" in the first 2 positions is called a 10-card.

5.2 Report Title

On a PCS report, with the exceptions of the Quarterly Non-Compliance Report and the Semi-Annual Statistical Summary Report, the PCS report title is required and may be up to five lines long. Each line value is centered on the output report. To create a report title a report title card is required.

The first title card has the format:

```
01 rr START OF TITLE.....END OF TITLE
```

"rr" designates the appropriate Region code, 01 through 10, or "HQ" for a report done by EPA headquarters. The second and subsequent title cards are numbered sequentially, 02 through 05 as follows:

```
02 START OF 2ND.....END OF 2ND
03 START OF 3RD.....END OF 3RD
04 START OF 4TH.....END OF 4TH
05 START OF 5TH.....END OF 5TH
```

Positions 3 through 6 on the 02 through 05 cards should be blank. An example of how a multiple-line report title is shown below:

```
01 04 KENTUCKY COAL MINES LOCATED IN SHELBY COUNTY
02 WHERE DISCHARGES HAVE BEEN INACTIVATED
03 AFTER AN EFFLUENT VIOLATION HAS OCCURRED
```

5.3 Option Card (00-Card)

The option card is not required by the Generalized Retrieval subsystem but contains options which help to process the retrieval request. One purpose of this card is to request a syntax check of the retrieval request cards. Another purpose of this card is to specify IBM job control parameters for the retrieval request. The format for the option card is:

00 SYNTAX=xxx JOBID=xxxxx BIN=xxxx RMT=xxx COPIES=x PRTY=x TIME=xxx

An example of this format is illustrated below:

00 SYNTAX=NO JOBID=QL001 BIN=MABC RMT=255 PRTY=1 TIME=5M
00 LINES=23 FORM=8381

Table 5-1 summarizes the options available. Each of the options will be discussed in the subsections which follow.

Parameter	Value	Explanation	Default
SYNTAX =	no	syntax check and processing	no
	yes	syntax check only	
JOBID =	xxxxx	1 - 5 characters	Userid & last 2 chars. of job #
BIN =	Muuu	4 characters	M + User ID
RMT =	xxx...	1 - 25 digits	255
COPIES =	x	1 - 9	1
PRTY =	x	1 - 2	1
TIME =	xxS	xx = 1 - 59 seconds	03S(if SYNTAX = Yes)
	xxM	xx = any number of minutes up to 99	45S(if SYNTAX = No)
GPRT =	no	graphic output will not be printed	
	yes	graphic output will be printed	yes
GDVCE =	xxx...	graphics device used to print the Management Graphics	CAL1051
GRMT =	xxxxx	remote where graphic output is to be routed (either at NCC or the Washington Information Center)	N1
GBOX =	Muuu	allows specification of the room/box where graphic output is to be placed after printing	M + user ID

Parameter	Value	Explanation	Default
LINES=		x(1000)= Total output lines	
FORM=		4 Alphanumeric characters	determined by remote site
MSGLEVEL=x,x		amount of JCL to be printed with the retrieval, may contain: 0,0 0,1 1,0 1,1 2,0 2,1	0,0
MSGCLASS= x		class where output is to be routed	Z (no output)
ACCT=	xxxxxxxx	for public users, the account info for the JCL Jobcard eg. A040PCSY	

Table 5-1. Option Card Parameters. This table summarizes the options available.

5.3.1 SYNTAX=

The first option provides a choice of how much processing the Generalized Retrieval subsystem is to do on the retrieval request cards. If "SYNTAX=YES" is used, the cards will only be checked for syntax errors; no retrieval will take place. The syntax check processes the request cards quickly so any errors may be corrected and the request cards resubmitted for processing. Once the syntax check has taken place, the option may be changed to "SYNTAX=NO" or deleted so that the actual retrieval may take place.

If "SYNTAX=NO" is used, the cards will first be checked for syntax errors. If there are no errors detected, the retrieval will be processed and the requested output will be produced. If errors are detected, the processing is then terminated. If no "SYNTAX=" value is given on the option card, "SYNTAX=NO" is the default.

5.3.2 JOBID=

The "JOBID=" option may be used to identify the IBM job that is created by the Generalized Retrieval subsystem. The value of the "JOBID=" option may be one to five characters. The format is:

JOBID=xxxxx

If no "JOBID=" value is given on the option card, the users' userid and the last 2 characters of the job number will be used for the "JOBID". The Generalized Retrieval subsystem will append the value of the "JOBID=" option to the NCC-IBM user identification code to form an NCC-IBM jobname. This jobname can be used to track the retrieval request while it is being processed by the computer. Also, the jobname appears on the banner page of any printed information produced by the Generalized Retrieval subsystem to help identify the information as the retrieval results. See 5.14, "Understanding the Generalized Retrieval Operation" on page 5-23 for more discussion of the job identification and an example of the banner page.

5.3.3 BIN=

The "BIN=" option may be used to indicate where the Generalized Retrieval subsystem printed information is to be delivered. The format is:

BIN=xxxxx

The value of the option is usually the four-character bin ID which is assigned to a user by the NCC-IBM Data Processing Support Staff or the staff responsible for the site where the report is printed.

If no "BIN=" value is given on the option card, the default is "M" concatenated with the NCC-IBM user identification code. The "M" indicates that the printed information is to be mailed to the user via U.S. Mail, first class.

The "BIN=" option is not restricted to the bin ID assigned to the user, therefore, a user may request that the printed retrieval information be delivered to any valid bin assigned by NCC or WIC. More information on bin ID's can be found in Appendix I of the *NCC-IBM User's Guide*.

5.3.4 RMT=

The "RMT=" option may be used to identify where the retrieval information is to be printed. The "RMT=" option is the one to twenty-five character identifier assigned to a remote job entry (RJE) printer. The format is:

RMT=xxx

If no "RMT=" value is given on the option card, the default is "255" which is an NCC-IBM dummy remote that keeps the retrieval results in the NCC-IBM print queue for three working days. After the three days, the retrieval is purged from the print queue. Since there are no restrictions on which remote to specify, a user may use the "RMT=" option to print the information at any NCC-IBM RJE.

The following special edits apply:

RMT=xxx where xxx is a set of numbers, then PCS appends RMT to the front of the number. The following JCL card is submitted with the retrieval:
//ROUTE PRINT RMTxxx

RMT=xxx where xxx is anything beside number. For example; N3 or SNYALBN. In this case nothing is appended to the value. The following JCL card is submitted with the retrieval:
//ROUTE PRINT xxx

5.3.5 COPIES=

The "COPIES=" option may be used to create multiple copies of the printed retrieval information. The format is

COPIES=x

The value of X may be a number from one to nine. If no "COPIES=" value is given on the option card, the default is one copy.

5.3.6 PRTY=

The "PRTY=" option may be used to indicate what kind of processing priority the user is expecting for the retrieval request. The format is:

PRTY=x

The value of the "PRTY=" option may be a number from one to four where "1" means a low or overnight priority, "2" means a four hour processing time, "3" means a two hour processing time, and "4" means a half hour processing time. If no "PRTY=" value is given on the option card, the default is "1".

5.3.7 TIME=

The "TIME=" option may be used to give an estimate of the computer time required to create the retrieval. The time required to create the retrieval depends on the complexity of the request. The requested time may be expressed in seconds or minutes.

If only a syntax check is requested or a retrieval is expected to be simple, then the format is:

TIME=xxS

which requests the time in seconds where "XX" can be any number from one to fifty-nine.

For more complex retrievals, the format specified is:

TIME=xxM

which requests the time in minutes where "xx" can be any number.

If the "TIME=" option is not used, the default will be 03 seconds if the syntax-only check is requested. If no syntax check is required the default will be 15 seconds. (See 5.3.1, "SYNTAX=" on page 5-3 for an explanation of the "SYNTAX=" option).

The time requested for the processing of the retrieval is used by the NCC-IBM to determine to which processing queue it will be assigned. This, along with the "PRTY=" option (see 5.3.6, "PRTY=") is used to establish the importance of the retrieval as it relates to all the other NCC-IBM jobs in the same queue and how much the user is willing to spend for the retrieval processing. For more discussion of the NCC-IBM job scheduling procedures see the *NCC-IBM User's Guide*.

5.3.8 GPRT=

The "GPRT=" option may be used for Effluent Data Statistics and for PCS Management Graphics to indicate whether or not graphic output is to be printed.

If "GPRT=NO" is specified, no graphic output will be printed. This option may be used if the user is planning to view the graphs on a screen instead of printing them. If "GPRT=YES" is specified, graphic output will be printed at NCC or WIC, as indicated by the "GRMT=" option. If the "GPRT=" option is not used, a default value of "GPRT=YES" is assumed.

5.3.9 GDVCE=

The "GDVCE=" option is used for PCS Management Graphics (but not for Effluent Data Statistics) to specify the graphics device on which the graphs will be printed or viewed. A list of devices supported by SAS/GRAPH for the management graphics may be found in a SAS manual or in data set:

JUSD.SAS.DATA(GDRIVERS)

The default value is "GDVCE=CAL1051" for the CALCOMP1051 plotter at National Computer Center (NCC) and at the Washington Information Center (WIC).

5.3.10 GRMT=

The "GRMT=" option is used for both Effluent Data Statistics and for PCS Management Graphics to specify whether graphic output is to be printed at NCC or at WIC. There are only five valid options for this option:

NCC	WIC
LOCAL	RMT20
RMT0	N3
N1	

Any other remote or node specified with GRMT will cause the graphics retrieval to abend. The default is "GRMT=N1", for graphics output to be printed at NCC.

5.3.11 GBOX=

The "GBOX=" option allows a bin or box to be specified for graphics output. The default value is "GBOX=Muuu" where uuu is the user ID creating the graph. This directs NCC to mail the graphs to the address on file for user ID uuu.

5.3.12 LINES=

The "LINES=" options may be used to Limit the total number of lines of output. The format is:

LINES=xxxx

The value x can be anywhere from 1 to 9999. To get the total number of lines multiply X by 1000 and this result will be the maximum total lines for that job. If no "LINES=" values is given on the option card, the default is 99.

5.3.13 FORM=

The "FORM=" options may be used to specify the type of paper you want your output on. The format is:

FORM=xxxx

The value x can be any alphanumeric character. Valid values for your printer can be determined by asking the printer option. The default is determined by the print operator. For more information of the types of forms available see the *NCC IBM User's Guide*.

5.3.14 MSGLEVEL=

The MSGLEVEL option on the 00-card indicate what job output is to be written as part of the output. An example of the MSGLEVEL parameter code on the 00-card could be:

00 MSGLEVEL=2,1

The possible values for this option are:

0 only the JOB statements are to be written.

1 all input job control statements, cataloged procedure statements, and the internal representation of procedure statement parameters after symbolic parameter substitution are to be written.

2 only the input job control statements are to be written.

Messages (2nd character)

0 no allocation/termination messages are to be written, unless the job terminates abnormally.

1 allocation/termination messages are to be written.

Listed below is each possible combination of option values.

MSGLEVEL=0,0 Requests only the the Job statement be written.

MSGLEVEL=0,1 Requests that the Job statement and all allocation/termination messages be written.

MSGLEVEL=1,0 Requests that all JCL be written.

MSGLEVEL=1,1 Requests that all JCL and allocation/termination messages be written (nothing is suppressed).

MSGLEVEL=2,0 Requests that only input JCL be written.

MSGLEVEL=2,1 Requests that input JCL and all allocation/termination messages be written.

Default value is MSGLEVEL=(0,0)

5.3.15 MSGCLASS=

The MSGCLASS option specifies the output to which system messages and JCL statements for the job are to be written. An example of how the MSGCLASS option could be coded on the 00-card would be:

Listed below is are the two possible option values.

00 MSGCLASS=A Requests that the JCL information at the start of PCS retrieval be printed.

00 MSGCLASS=Z Requests that only the retrieval statements and final report output be written.

MSGCLASS= can be any other alphabetic character and will be queued separately from the rest of the retrieval. The default is MSGCLASS=Z

5.3.16 ACCT=

The ACCT option specifies the accounting information for retrievals. This option is only required for public users that are not registered to for PCS access.

00 ACCT=xxxxPCSY

Where 'xxxx' is the same as the account the user is logged onto.

5.3.17 Option Card Examples

The following examples illustrate some uses of the options card. The first example shows an option card which may be used when only a syntax check is desired.

```
00 SYNTAX=YES JOBID=CHECK RMT=255 PRTY=4 TIME=3S
```

The following examples show option cards which may be used when a retrieval is to be fully processed.

```
00 JOBID=MS001 BIN=Mxxx RMT=0 COPIES=3 TIME=5M
```

```
00 SYNTAX=NO JOBID=CHECK RMT=255 PRTY=4 TIME=5M
```

5.4 JCL Card (09-Card)

An 09-card allows the user to put an additional JCL card in the retrieval. The 09-card should be entered with all the other retrieval cards and will be added to the job that is submitted automatically by the Generalized Retrieval subsystem.

This card will override other options that may already be set up on the 00-card. The format of the 09-card is:

```
09 /*xxxxx xxxxxxxxxxxx
```

where:

Columns 1 and 2 must contain "09"

Column 3 must be blank

Columns 4 through 5 must contain "/*"

Column 6 may contain any valid JES card

An example of a retrieval using the 09-card is:

```
00 SYNTAX=YES TIME=10S
01 02 THIS IS A TITLE CARD
09 /*JOBPARM AFTER=ABCDIT
10 STTE EQ NJ
40 NPID FNMS
```

Only one 09-card may be used per retrieval.

5.5 Facility Selection Statements (10-Card)

Next in order may be the selection cards. The card number, 10, is placed in the first two positions of the card followed by a space and a selection statement. If the 10-card "WITH" option is used, the card number 10, is placed in the first two positions of the card followed by a space, the word "WITH", and a selection statement. Some selection statements are illustrated below:

```

10 REGN EQ 06

10 MADI EQ M

10 TYPO AL PUB

10 TYPO AL FED

10 EVNT EQ 001

```

Simply stated, the selection portion of a PCS retrieval contains a listing of statements in card image format which are read by the PCS Generalized Retrieval subsystem. The subsystem then compares information in these statements to information stored in the data base. If the information stored for a given facility makes the statement(s) "true," then that facility will be selected for further processing. In the retrieval process, the contents of a data element must bear some relationship to a value; or to another data element; or the data element must have certain attributes.

The card types that contain statements which cause the selection of certain permitted facilities are the 10 and 11 cards.

There are three types of selection statements or arguments used in the PCS Generalized Retrieval subsystem. These are the basic argument, the qualified argument, and the comparison argument.

Note: PCS will automatically default to selection of data in a particular state if the user is located in the state office. Regional users will default to data selection for the particular region where they are located. In many cases, specifying state/region selection is not required. The exception, of course, is when a regional user wants to select a particular state. In that case, a 10-card selecting the state would be required.

5.5.1 Basic Argument

The basic argument instructs the retrieval subsystem to compare each permitted facility's attributes to a fixed value. The permitted facilities with attributes that satisfy the basic argument, will be candidates for selection.

A basic argument consists of a single statement with four elements. They are: the card type (or selection argument identifier); the data element acronym; the logical operator; and the value. This takes the format:

```
CARD TYPE  ACRONYM  LOGICAL OPERATOR  VALUE
```

The "CARD TYPE" for a basic argument is always the 10-card. The "ACRONYM" is a four character code that represents a data element and can be found in the *PCS Data Element Dictionary*. The "LOGICAL OPERATOR" describes the relationship between the data element value in the PCS data base and the "VALUE" in the PCS statement. The logical operators are:

```

EQ - MUST EQUAL
NE - NOT EQUAL
LT - LESS THAN
GT - GREATER THAN
LE - LESS THAN OR EQUAL TO
GE - GREATER THAN OR EQUAL TO
PR - PRESENT
AB - ABSENT
AL - ALTERNATE

```

The "VALUE" in the PCS statement, defined by the user, must bear some relationship to the data element "ACRONYM".

Here is an example of a basic argument. Suppose the user wishes to examine information in PCS for those permitted facilities whose primary business activity is bituminous coal mining. The correct selection statement for PCS is:

```
10 SIC2 EQ 1211 (Bituminous Coal)
```

The "10" is the card type, "SIC2" is the acronym for the SIC Code data element, "EQ" is the logical operator (here meaning "equal") and "1211" is the desired acronym value for bituminous coal. In English, this example could be expressed:

"The value stored in the SIC Code field must equal 1211"

Those permitted facility records that contain a SIC Code value of 1211, and that therefore satisfy this statement, will be passed along for further processing. By making a single retrieval selection statement available for PCS to process, the user has greatly restricted the amount of information which is to be further processed. When no selection statements are made, the PCS Retrieval assumes that all facilities in the State or Region which the user can access are of interest.

More than one basic argument may be used in a PCS Generalized Retrieval. Each basic argument that is specified should always follow the same general format:

```
10 ACRONYM LOGICAL OPERATOR VALUE
10 ACRONYM LOGICAL OPERATOR VALUE
```

For example, suppose the user wants to further restrict the display of PCS information and requests information relating to those facilities which are in the business of bituminous coal mining *and* are located in the State of Kentucky. The proper selection statements are:

```
10 SIC2 EQ 1211 (Bituminous Coal)
10 STTE EQ KY (Kentucky)
```

These statements contain two basic arguments. There is an implied "and" between each of the statements. Each permitted facility must satisfy, or "make true" both of the above conditions. With each additional 10-card, the user further restricts the amount of data to be examined.

Suppose the user wishes to see PCS information on permitted facilities which are publicly-owned wastewater treatment plants, located in the State of Illinois. The retrieval selection statements could take the following format:

```
10 STTE EQ IL (Illinois)
10 SIC2 EQ 4952 (Sewerage Systems)
10 TYPO EQ PUB (Publicly Owned)
```

When a permitted facility has a SIC Code of 4952 and also has PUB as the type of ownership, the facility's industrial classification (INCL) is considered M, for "Municipal" (generated by PCS). Therefore, another way to select this same group of facilities would be:

```
10 STTE EQ IL (Illinois)
10 INCL EQ M (Municipal)
```

The following example shows how the logical operators "LT" (less than) and "GT" (greater than) may be used. Suppose the user is interested in information on power plant permits that expire before January 1, 1986, but were issued after December 31, 1976. The correct selection statements would be:

```
10 SIC2 EQ 4911      (Power Plants)
10 PERE LT 010186    (Expiring before 1/1/86)
10 PERD GT 123176    (Issued after 12/31/76)
```

Other logical operators, "PR" (present) and "AB" (absent), are used to identify conditions of data elements, or of records that contain particular data elements. The following statements show how these operators are used:

Facilities which contain no permit issue date (have not been issued) may be selected by:

```
10 PERD AB      (Permit Issue Date Absent)
```

Conversely, those facilities which have permit issue dates (issued permits) may be selected by:

```
10 PERD PR      (Permit Issue Date Present)
```

Facilities that have never had an inspection may be pulled with:

```
10 DTIN AB      (Inspection Date Absent)
```

The alternate logical operator "AL" allows the selection of a number of different values for a specified data element for a permitted facility. When the alternate operator is used, each value that a data element may have is addressed in separate statements:

```
CARD TYPE ACRONYM1 AL VALUE1
CARD TYPE ACRONYM1 AL VALUE2
CARD TYPE ACRONYM1 AL VALUE3
```

Consider the following example: Which facilities in PCS discharge either to the Potomac River or the James River in the State of Virginia? The correct selection statements would be:

```
10 STTE EQ VA      (Virginia)
10 BAS4 AL 0214     (Potomac River Basin)
10 BAS4 AL 0216     (James River Basin)
```

When several values for the same retrieval acronym are desired in the same retrieval set, the alternate operator should be used.

Note: Up to 99 cards may be included in a retrieval, excluding the JCL.

5.5.2 Qualified Argument

It is often useful in a PCS retrieval to qualify the occurrence of one data element by a particular occurrence of another related data element. For this reason, the qualified argument was introduced to the PCS Generalized Retrieval subsystem.

A qualified argument consists of at least two statements. The first statement is always a basic argument. The second and subsequent statements are composed of modified basic arguments which qualify a particular occurrence of the data element contained in the original basic argument.

The format of the qualified argument is:

```

CARD TYPE  ACRONYM1  LOGICAL OPERATOR  VALUE
CARD TYPE  WITH  ACRONYM2  LOGICAL OPERATOR  VALUE
CARD TYPE  WITH  ACRONYM3  LOGICAL OPERATOR  VALUE

```

The selection qualified argument occurs only on the 10-card. Any data element that may occur *more than once* for a permit facility is specified in "ACRONYM1". The data type of "ACRONYM2" and "ACRONYM3" must be the same as that of "ACRONYM1". Any of the "LOGICAL OPERATORS" and "VALUES" may be used.

For example, the user may wish to examine information stored in PCS on California facilities inspected after calendar year 1984. In addition, the user may wish to restrict the type of inspection to compliance sampling. The retrieval selection statements could be coded in the fashion previously introduced:

```

10 STTE EQ CA      (California)
10 DTIN GT 123184   (Inspected after 12/31/84)
10 TYPI EQ S       (Compliance Sampling Inspection)

```

For any given permitted facility, there may be more than one inspection record that satisfies the above inspection data type selection criteria. For those data elements that occur more than once (including the data elements in other data families such as enforcement action, grants, etc), the qualified argument may be used.

In the qualified argument format, the above retrieval selection statements could have been written:

```

10 STTE EQ CA      (California)
10 DTIN GT 123184   (Inspected after 12/31/84)
10 WITH TYPI EQ S   (With Compliance Sampling Inspection)

```

In this case, the user understands that the two data elements - date of inspection (DTIN) and type of inspection (TYPI), are both of the same data type and relate to the same inspection. The use of the "WITH" card in this example is optional.

Below is an example of selection where the use of the "WITH" card is required. Suppose the user wishes to look at all Washington permitted facilities with compliance sampling inspections before the beginning of FY 1985 which had a follow-up toxics inspection after the beginning of FY 1985. The selection statements would be written in the following format:

```

10 STTE EQ WA      (Washington)
10 DTIN LT 100185   (Inspected before 10/1/85)
10 WITH TYPI EQ S   (With Compliance Sampling Inspection)
10 DTIN GE 100185   (Inspected 10/1/85 or after)
10 WITH TYPI EQ X   (With Toxics Inspection)

```

There is no recourse but to use qualified arguments in this example. If the "WITH" cards had been omitted, all inspections would have been selected since the two date ranges would qualify all dates.

An example of a retrieval using qualified arguments from the pipe schedule data type is shown below. The user wishes to identify those permitted facilities which have a quarterly DMR requirement for sanitary waste and a semi-annual requirement for non-sanitary waste. The following selection retrieval statements would be coded:


```

10 WAST EQ 01      (Sanitary waste)
10 WITH NRPU EQ 003 (Quarterly Monitoring)
10 WAST NE 01      (Non-sanitary waste)
10 WITH NRPU EQ 006 (Semi-Annual Monitoring)

```

Again, if the "WITH" qualifiers were removed, no data would be selected since the two groups are mutually exclusive.

Suppose the user wishes to examine Arkansas municipal facilities that have maximum limits on BOD (5-day, 20) of greater than 30 MG/L and TSS maximums of greater than 50 MG/L. The selection statements could be coded:

```

10 STTE EQ AR      (Arkansas)
10 INCL EQ M        (Municipals)
10 PRAM EQ 00310    (BOD)
10 WITH LCSA GT 30   (Avg Conc > 30)
10 PRAM EQ 00530    (TSS)
10 WITH LCSA GT 50   (Avg Conc > 50)

```

To repeat, in the qualified argument, the data type of the acronym in the qualifying statement (the WITH statement) must be of the same data type as the acronym in the statement being qualified. Any data type may be used except the permit facility data type.

5.5.3 Comparison Argument

The third type of argument that may be used in a PCS retrieval is the comparison argument. In a comparison argument, the values of two or more data elements in a single permitted facility are compared to each other.

It takes at least three statements to make a data element comparison. Any data element acronym may be compared to any other acronym. A logical operator is used to establish the relationship between the acronyms. The logical operator may be followed by an "ANY" or "ALL". The "ANY" compares any occurrence of a data element to any of another, to determine permitted facility selection. The "ALL" compares all occurrences of a data element to all of another. If all satisfy the comparison, the permitted facility is selected. A comparison argument generally follows the format:

```

CARD TYPE ACRONYM1
CARD TYPE LOGICAL OPERATOR
CARD TYPE ACRONYM2

```

The card type of a comparison argument is always "10." Either of the acronyms being compared may be specified with a qualifying argument.

For example, suppose the user wishes to select Maine permitted facilities that have gone to public notice, but have not been issued a permit since permit expiration. The proper selection criteria would be:

```

10 STTE EQ ME      (Maine)
10 PERE PR          (Permit Expiration Present)
10 PNOT             (Public Notice)
10 GT               (Greater Than)
10 PERE             (Permit Expiration)

```

An additional example - if the user wishes to select all permits in Region 3 for which the permittee has failed to reapply for a new permit by the permit expiration date. The selection criteria would be:

```

10 REGN EQ 03      (Region 3)
10 PERE PR         (Permit Expiration Date Present)
10 PERE            (Permit Expiration Date)
10 LT              (Less Than)
10 APRD            (Application Received Date)

```

PCS's ability to compare data elements also applies to data elements that may have multiple occurrences. For instance, a user may wish to retrieve Oklahoma major permitted facilities that have interim limits end dates that do not extend to the permit expiration date. The selection criteria would be:

```

10 STTE EQ OK      (Oklahoma)
10 MADI EQ M        (Majors)
10 ILED            (Interim Limits End Date)
10 LT              (Less Than)
10 PERE            (Permit Expiration)

```

Data elements do not have to fall within the same family. For example, suppose the user wishes to examine those permitted facilities which have met the construction complete milestone in a 309(A)(5)(A) order, but have had other compliance schedule violations on the same order after that milestone. The proper selection criteria would be:

```

10 DTAC            (Compliance Schedule Date Achieved)
10 WITH CSCH EQ DC (With (309(A)(5)(A)))
10 WITH EVNT EQ 055 (With Construction Complete)
10 LE              (Less Than or Equal To)
10 VDTS            (Violation Schedule Date)
10 WITH CVEV EQ DC (With (309(A)(5)(A)))

```

There is an assumed "ANY" in 10-cards that contain only the logical operator. The logical operator statement in the preceding example could have been written:

```
10 LE ANY
```

For example, suppose the user wishes to examine all of those permitted facilities in Region 6 which have not had a sampling inspection since the latest permit limit exceedance. The user could code the following selection statements:

```

10 REGN EQ 06      (Region 6)
10 MVDT            (Measurement Violation Date)
10 WITH MVIO EQ E90 (With Numeric Limitation Exceedance)
10 GT ALL          (Greater Than All)
10 DTIN            (Inspection Date)
10 WITH TYPI EQ S   (With Sampling Inspection)

```

Remember here, *any* "E90" violation whose violation date is greater than *all* compliance sampling dates will cause the permitted facility to be selected.

5.5.4 "OR" Statement

The ability to merge groups of permitted facilities which have selection characteristics that are exclusive of each other is useful in the selection of permitted facilities in the PCS Generalized Retrieval subsystem. Each set of selection statements determined to be appropriate by the user is unified with other sets of statements by the "OR" statement. The PCS Generalized Retrieval subsystem processes those permitted facilities that satisfy each and combines the results into a single output. A maximum of ten "OR" statements may be included in such a retrieval. If more than ten "OR" statements are selected the Generalized Retrieval Subsystem will generate a syntax error.

The card type of the "OR" statement is always "11." The proper format of the "OR" logical operator as used with other selection statements is always:

```
10 SELECT1
10 SELECT1
10 SELECT1
11 OR
10 SELECT2
10 SELECT2
10 SELECT2
```

"SELECT1" and "SELECT2" are selection statements from the first and second independent groups, respectively. Up to 10 "OR" cards may be used.

For example, suppose the user wishes to retrieve information on all major permitted facilities and minor federal grantees in the same retrieval. Since the major indicator and the grant indicator in PCS both occur in the permit facility data type, it is impossible to use the "10 WITH" card. Instead, it is necessary to use the 11-card.

The above request may be coded using the "OR" statement as follows:

```
10 MADI EQ M      (Majors)
11 OR             (OR)
10 MADI NE M      (Minors)
10 FDGR EQ $      (Federal Grantees)
```

If the "OR" operator had been omitted, only those permitted facilities with both blank statistical base codes and blank quality and concentration unit codes would have been selected.

It is important to remember that as far as selection is concerned, if a characteristic of a facility satisfies the selection criteria, then all information for that permitted facility will be passed on for further analysis. PCS's ability to select permitted facilities satisfying certain requirements is extraordinarily powerful and flexible. Care should be used in the selection of information to assure meaningful results.

5.6 Report Type (20-Card)

The report-type cards are placed next. Three different types of retrievals can be requested in one set of retrieval cards. The card number, 20, is placed in the first two positions of the card followed by a space, the two-character code of the report-type, a space, and any appropriate option statements.

Those report-types which require "20 WITH" cards must have them placed immediately after the appropriate report-type cards. The "20-WITH" cards have the card number, 20, placed in the first two positions of the

card followed by a space, the word "WITH", a space, and the selection statement. Some formats of the report type cards are illustrated below:

```
20 FA SECTIONS=A
20 ML ADDRESS=LOC SIZE=1
20 LV
20 WITH MVDT GE 100192
20 WITH MVDT LE 123192
```

5.7 Report Order (30-Card)

The report order of any PCS retrieval, with the exceptions of the Milestone Report, the DMR Preprint, the Sequential File Extract, the Quarterly Noncompliance Report, the Selective Quarterly Noncompliance Report and the Semi-Annual Statistical Summary Report is specified by the user. These specifications are given on the 30-card. The 30-card is usually formatted in the following fashion:

```
30 ACRONYM1 ACRONYM2 ACRONYM3
```

Where "ACRONYM1" stands for the first sort acronym, "ACRONYM2" stands for the second, etc. For example, if the user wishes a report to be sorted by NPDES number, he would specify:

```
30 NPID
```

If a report is to be sorted by facility name (short), the correct 30 card would be:

```
30 FNMS
```

An example of a multi-acronym sort would be:

```
30 STTE FNMS
```

This 30-card would sort all of a given state's permitted facilities at the beginning of the report. Within that group, the permitted facilities would be sorted by the short facility name. The next state's permitted facilities would follow sorted by name, etc.

The report order of a PCS retrieval is dependent on the report type. There are three sort options available: 1) no sort; 2) sort by data elements from the permit facility data type; and/or 3) sort by data elements from any data type.

Sorting below the facility level on any Single Family "Cluster Quick Look Report" (see 3.1.4.1, "Cluster Quick Look Report" on page 3-30) and the Quick File Extract (see 3.2, "Quick File Extract" on page 3-48) is permissible. For example, assume the 30-card of a "Cluster Quick Look Report" is coded:

```
30 NPID PIAC PRAM LTYP
```

and the 40-cards are coded in the following format:

```
40 NPID FNMS
40 / PRAM LTYP MLOC
40 / MVDT MVIO
40 WITH MVDT LE 100192
40 WITH MVDT LE 093093
```

Sorting on the data types represented on the 30-card is permissible because the report is a single family "Cluster Quick Look Report". In this example, each data element sorted on is a member of the effluent family. Permitted facilities will be sorted first by NPDES number. Within each permitted facility, the data will be sorted by pipe activity code, within that by parameter number, and within parameter by limit type.

Sorting on a multi-family "Cluster Quick Look Report" (see 3.1.4.1, "Cluster Quick Look Report" on page 3-30) is permissible only at the permit facility level. For example, if the user specified a "Cluster Quick Look Report" with the following 40 cards:

```
40 NPID FNMS PERD PERE
40 DTIN TYPI INSP
40 WITH DTIN GE 100192
40 WITH DTIN LT 093093
40 EVNT EVNTD DTSC DTAC DTRC
```

then:

```
30 NPID DTIN
```

would not be processed by the PCS Generalized Retrieval subsystem because the report is a multi-family report and DTIN specifies a sort which is below the permit facility level. However, in the same example:

```
30 NPID FNMS
```

would be acceptable because both acronyms are of the permit facility data type.

The Sort sequence for Generalized Retrieval subsystem reports is in ascending order, unless otherwise specified. However, an option is available which allows the user to sort data elements in descending sequence. In order to specify that a data element is sorted in descending order a "-D" must be entered after the acronym representing that data element on the 30-card. An example of data elements requested in descending order is illustrated on the following 30-card:

```
30 NPID-D DTIN-D TYPI-D
```

This sort would print permitted facilities by NPDES number. Within each permitted facility inspections would be sorted by date of inspection then by type of inspection all in descending order. Ascending and descending sorts may be combined as shown in the following example:

```
30 NPID DTIN-D TYPI
```

This sort would print permitted facilities by ascending permit number. Within each permitted facility, inspections would be sorted by the date of inspection in descending order, then by the type of inspection in ascending order.

The total length of the 30-card, as with the other cards, is 80 characters. The maximum number of data elements that can be sorted is limited by the 80-character maximum and by the sum of the lengths of each data element in the sort. This sum cannot exceed 243 characters.

For example, if a report were sorted by type of ownership and within the type of ownership by NPDES number, the sort length would be:

$$3 \text{ (TYP0)} + 9 \text{ (NPID)} = 12.$$

Since the sort total does not exceed 243 characters, this would be an acceptable sort in the PCS Generalized Retrieval subsystem. If a sort sequence is not specified on the 30-card, a predetermined default sort is specified by the PCS retrieval software.

5.7.1 Sorting Capabilities for Various PCS Reports

Permissible sorting for various report formats is specified in Table 5-2.

Report Format	Facility Sort	Any Sort
Cluster Quick Look	Yes	Yes ¹
Compliance Forecast	Yes	No
Compliance Forecast w/Violations	Yes	No
DMR Administrative	Yes	No
DMR Administrative Report by Parameter	Yes	No
DMR Package	Yes	No
DMR Summary Report	No	No
Facility	Yes	No
Hierarchical Quick Look	Yes	No
Industrial User Compliance Report	No	No
Limitation Summary	Yes	No
Mailing Labels	Yes	No
Milestone	Yes	No
PCS PAL Extract	No	No
POTW Enforcement Action Summary Report	No	No
POTW Implementation Compliance Report	No	No
Quarterly Noncompliance	No	No
Quick File Extract	Yes	Yes ¹
Selective Quarterly Noncompliance	No	No
Semi-Annual Statistical Summary Report	No	No
Sequential File Extract	No	No
SPMS Moving Base Report	No	No
Summary QNCR for Managers	No	No
Violations Recognition Report	No	No

Table 5-2. Valid sorting for various report formats. Shows permissible sorting for various report formats.

5.8 Quick Look Display/Selection Statements (40-Card)

If a "Quick Look Report" was selected on a report-type card, then the Quick Look cards may follow. The card number 40, is placed in the first two positions of the card followed by a space and the list of acronyms for the desired data elements to be printed on the report line. Each of the acronyms must be separated by a space. If the 40-card "WITH" option is used, the card number, 40, is placed in the first two positions of the card followed by a space, the word "WITH", a space, and the qualifying argument. The "40 WITH" card must be placed directly below the family to which the "WITH" card applies. The format for the Quick Look statements is illustrated below:

```
20 QL
40 NPID FNMS DTIN TYPI INSP
40 WITH DTIN GE 100192
40 WITH DTIN LE 093093
```

5.9 Restricted Display Criteria Statements

The report formats and the card types which may be required for each are listed in Table 5-3 below:

Report Format	Qualifying Card	Requirement
Cluster Quick Look	40 WITH	Optional
Compliance Forecast (CP)	20 WITH	Required
Compliance Forecast w/Violations (CV)	20 WITH	Required
DMR Administrative (DA)	20 WITH	Required
DMR Administrative Report by Parameters (DP)	20 WITH	Required
DMR Package (DM, DN)	20 WITH	Required
DMR Summary Report (DS)	20 WITH	Required
Facility Non Hierarchical Quick Look	40 WITH	Optional
DMR Non-Receipt Report (DF)	20 WITH	Required
Administrative Penalty Order Report (AP)	20 WITH	Required
Quality Assurance Report (QA)	20 WITH	Required
Industrial User Compliance Report (PT)	20 WITH	Required
Limitations Summary (LS)	20 WITH	Optional
Limits Summary w/M Measurement Violations (LV)	20 WITH	Required
Mailing Labels	None	

¹ Single Family Reports only

Report Format	Qualifying Card	Requirement
Milestone (MS)	50 WITH	Optional
POTW Enforcement Action Summary Report (PT)	20 WITH	Required
POTW Implementation Compliance Report (PT)	20 WITH	Required
Quarterly Noncompliance (QN, QC, QR, QM)	20 WITH	Required
Quick File Extract	60 WITH	Optional
Semi-Annual Statistical Summary (SS)	20 WITH	Required
Sequential File Extract (DU)	20 WITH	Required
SPMS Moving Base Report MB)	20 WITH	Required
Violations Recognition Report (VR)	20 WITH	Required
Management Graphics Reports (G1, G2, G3, G4, G5)	20 WITH	Required

Table 5-3. Optional/Required Display Card Types. Display of the report formats and the card types which may be required.

5.10 Milestone Display/Selection Statements (50-Card)

If a "Milestone Report" was selected on a report-type card, then the milestone cards may follow. The card number, 50, is placed in the first two positions of the card followed by a space and the milestone statements. The format for the milestone statements is illustrated below:

```

20 MS
50 ROW VPRM
50 COL MVIO E90 E01 E11 D10 D20
50 WITH MVDT GE 100185
50 WITH MVDT LE 123185

```

On a Milestone report, the 50 and "50 WITH" cards determine which data elements will be displayed in the columns and rows.

5.11 Quick File Extract Display/Selection Statements (60-Card)

If a "Quick File Extract" retrieval was selected on a report-type card, then the Quick File Extract cards may follow. The card number, 60, is placed in the first two positions of the card followed by a space and the list of acronyms for the desired data elements to be stored on the extracted file. Each of the acronyms must be separated by a space. If the 60-card "WITH" option is used, the card number, 60 is placed in the first two positions of the card followed by a space, the word "WITH", a space, and the qualifying statement. The "60 WITH" card may be placed after the 60-card.

The format for the Quick File Extract statements is illustrated below:

```

20 QF
60 NPID FNMS PTEV PTSC PTAC
60 WITH PTEV EQ P4099

```

185

For a Quick File Extract retrieval, the 60-card determines which data elements will be included on each record in a sequential file. The 60-card contains a list of data elements acronyms. The order in which these acronyms are listed is the same order in which the data element values will appear on each record. For example,

60 NPID FNMS MADI

would produce a file which contains the NPDES number, the facility name (short), and the major indicator on each record. "60 WITH" cards may be used to further qualify the data selected for the Quick File Extract record.

The PCS Generalized Retrieval subsystem also allows the user to select data to be printed based on a comparison of two data items on the "60 WITH" card. For example, the following retrieval statements illustrate the use of data comparison on the "60 WITH" card:

```
20 QF
30 NPID FLED
60 NPID FNMS DSDG FLED VSDG MVDT
60 VPRM VMLO VSEA VMOD
60 WITH MVDT
60 WITH GT
60 WITH FLED
```

In this example, records would be created with the pipe and measurement/violation data for those pipes whose measurement/ violation monitoring period end date is greater than the final limits end date.

5.12 Retrieval Selection Efficiency Considerations

The general rule of thumb for Generalized Retrieval selection is to code selection of "non-permit" facility criteria at both the 10-card level and the 40-card level.

For non-permit facility selection, the following rules for efficiency should be considered where they do not adversely affect the desired output:

1. If the non-permit facility selection criteria would severely restrict the number of permits to be processed, then select at both the 10-level and 40-level (40 WITH).

Example: when using 40 WITH ENAC EQ 21
then also code 10 ENAC EQ 21

2. If the non-permit facility selection does not severely restrict the number of permits to be processed then DO NOT use 10-level selection.

Example: when using 40 WITH MVDT GE 010187
DO NOT use 10 MVDT GE 010187

Note: This example depends on the percentage of permits that actually have DMR data (after 010187).

3. When using RESTRICT= YES (if applicable for the report type), you are explicitly requesting suppression of all data when the lowest level data type is not present. Such retrievals are primary candidates for 10-level selection if any 40/60-WITH selection is being used. This will restrict permit selection at the top of the retrieval, rather than during actual data extraction.

4. NEVER use ARCH=YES on an Effluent retrieval if MVDT selection requests a date range outside of the archived area.

Example: 20 QL ARCH=YES
 40 NPID DSDG PIPQ etc...
 40 / LNTP PRAM MLOC SEAN etc...
 40 / MVDT MVIO etc...
 40 WITH MVDT GE 010186

The above retrieval, would cause the entire measurement file (active and archived) to be read for the selected permits, only to be rejected from selection due to the MVDT selection. The point is, only use ARCH=YES if you want to print DMR data more than two years old.

5.13 Entering the Retrieval Cards into the Computer

The Generalized Retrieval subsystem operates in a batch environment on an IBM computer at EPA's National Computer Center (NCC). The NCC-IBM offers a timesharing system which may be used to create a set of retrieval commands and to modify the set so it becomes an IBM "job" which can be processed by the Generalized Retrieval subsystem. This system is IBM's Time Sharing Option (TSO). NCC provides documentation. The telephone numbers for NCC Training are in Appendix C, "Telephone Numbers" on page C-1.

This subsection will provide instructions for entering the NCC-IBM computer system and for using TSO to create, modify, and submit for processing the retrieval commands.

5.13.1 Accessing the NCC - IBM Computer System

There are several standard procedures for accessing NCC-IBM. Some users may need to use a communication network, TYMNET, which provides direct dial-up access to NCC with a local telephone call. Others may need a WATS number; while some users may have access to port selectors which require no dial-up. The Regional/ADP staff will provide information on which access method is appropriate and any necessary telephone numbers upon request. Also, PCS User Support is available to provide assistance. Appendix C, "Telephone Numbers" on page C-1 provides the User Support telephone number.

5.13.2 Using TSO

Once into the NCC-IBM system, the user needs to access TSO and go through a logon procedure. ISPF is the name of the editor available to create a retrieval request. ISPF is a powerful editor that requires "Full-Screen" type terminal access. The editor allows you to look at and modify a whole screen of data at a time rather than just a line (as with a line editor).

To logon to TSO, you must have a valid NCC user ID. Information on user IDs and the logon procedure is available from PCS User Support or NCC User Support. (See Appendix C, "Telephone Numbers" on page C-1).

The next step is to create a retrieval request as a batch "job" so it can be processed by the IBM computer. The data set, MVMA040.PCSADA.RTVLLIB(GENRTVL), which contains the job control cards necessary to process the retrieval request, is modified by adding the retrieval request cards to the bottom of the data set. The first card is then modified to contain the user ID and account number of the person submitting the retrieval for processing and a valid bin number.

The set of cards, also called a data set, may then be stored for future use on a public disk pack at NCC. It is good practice to save the data set in case the Generalized Retrieval subsystem finds a syntax error in the retrieval cards, the expected retrieval is not produced, or the same retrieval is to be produced periodically. The data set is now ready to be submitted as a job for execution in the computer system.

Note: The user must enter values for the following in the appropriate lines of the retrieval JCL:

uuu = the user ID
 aaaa = the account number
 bbbb = the bin number

5.14 Understanding the Generalized Retrieval Operation

After a Generalized Retrieval data set has been submitted, the computer system assigns a job number to it in addition to a job name for tracking and identification purposes. Because of the design of the Generalized Retrieval subsystem, this job submits a second job which does the actual processing of the retrieval request and contains retrieval information. This second job can be recognized by its job name which is in the following format:

IIIJOBID

where

III = The three-character User ID assigned to a user for accessing the NCC-IBM.

JOBID = The value of the JOBID parameter assigned by the user on the option card or, if no JOBID parameter value was specified, the characters "XTVL".

5.15 Viewing the Generalized Retrieval Output

The Generalized Retrieval produces a PCS Retrieval Request Edit Report for all retrieval requests. All the retrieval cards are displayed on the left side of the report and appropriate error messages are displayed to the right of the card in error. Appendix B, "Generalized Retrieval Error Messages" on page B-1 lists the retrieval error messages that may appear on the edit report and their explanations. Figure 5-1 on page 5-24 shows a PCS Retrieval Request Edit Report Page.

ERRORS

COLUMNS 4-5 MUST CONTAIN A VALID REGION NUMBER

VALUE SPECIFIED IN ARGUMENT IS TOO LONG

INVALID ACRONYM ON CARD
*** MZIQ - INVALID ACRONYM

GENERAL ERRORS

*** LINE 1 - FLEXIBLE FORMAT DISPLAY LINE TOO LO
*** GENERAL RETRIEVAL ERROR ***
NOT ABLE TO PRODUCE QUICK LOOK REPORT

REQUEST CANNOT BE PROCESSED BECAUSE OF ERRORS

Following the PCS Retrieval Request Edit Report page, any requested report is printed. Samples of the reports are shown in Chapter 3, "Flexible Format Reports" on page 3-1. If printed DMRs were requested they are not processed at this time; however, a list of facilities which are waiting to be processed follows the edit report. Likewise, requested mailing labels are not processed immediately but a list of selected facilities for which there are no mailing labels is printed. Figure 5-2 shows the PCS mailing labels Report for the incomplete mailing labels.

INCOMPLETE MAILING LABELS

PERMIT COMPLIANCE SYSTEM
SAMPLE MAILING LABELS

```

*****
NPDES: TX0020788MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: ZIP
NPDES: TX0025062MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: ZIP
NPDES: TX0047180MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: ZIP
NPDES: TX0088633MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: NAM CTY STT ZIP
NPDES: TX0089621MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: NAM CTY STT ZIP
NPDES: TX0098191MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: NAM CTY STT ZIP
NPDES: TX0101605MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: NAM CTY STT ZIP
NPDES: TX0101940MAY BE INCOMPLETE. THE FOLLOWING ADDRESS INFO IS MISSING: NAM CTY STT ZIP
*****

```

The special processing steps for printing DMR forms and mailing labels are discussed in 6.3, “Processing DMRs and Mailing Labels” on page 6-12. If tape files were created, each tape is listed in a PCS Dump File Names Report. Figure 5-3 on page 5-25 shows the PCS Retrieval Dump File Names Report.

PCS RETRIEVAL
DUMP FILE NAMES

* THE FOLLOWING FILE NAMES CONTAIN THE DUMP FILES *
* THAT WERE REQUESTED IN THE RETRIEVAL. *
* NOTE -- THESE FILES WILL BE SCRATCHED IN 90 DAYS.*

MVMA040.FACLT.SAMPLE
MVMA040.INSPEC.SAMPLE
MVMA040.RINSCH.SAMPLE
MVMA040.NPCIAU.SAMPLE
MVMA040.PERMIT.SAMPLE
MVMA040.COMPLI.SAMPLE
MVMA040.VIOLAT.SAMPLE
MVMA040.OUTFAL.SAMPLE
MVMA040.LIMITS.SAMPLE
MVMA040.MEASUR.SAMPLE
MVMA040.ENFACT.SAMPLE
MVMA040.GRANTS.SAMPLE
MVMA040.HEARNG.SAMPLE
MVMA040.EAKEYS.SAMPLE
MVMA040.XPTSUM.SAMPLE

Figure 5-3. PCS Retrieval Dump File Names Report

Chapter 6. DMR Preprint and Mailing Label Processing

6.1 DMR Preprint

Preprinted "Discharge Monitoring Report" (DMR) forms may be generated using the PCS Generalized Retrieval subsystem. Parameter limits, pipe schedule, and permit facility information is precisely printed on standard EPA Form 3320-1 (Rev. 12/81). DMR forms are generated for a specific date range. Please refer to the sample Preprinted DMR form Figure 6-1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)		NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)		F - FINAL									
NAME: ORMOND BEACH WWT		PERMIT NUMBER: EL0020532	DISCHARGE NUMBER: 001 A	DISCHARGE TO THE HALIFAX RIVER									
ADDRESS: P.O. BOX 277													
LOCATION: ORMOND BEACH, FL 32075-0277													
FACILITY: ORMOND BEACH WWT													
LOCATION: ORMOND BEACH, FL													
ATTN: RICHARD E. MOLEF, DIR. PUB. UTIL.													
		MONITORING PERIOD											
		FROM	TO	YEAR	MO	DAY							
		89	01	01	89	01	31						
		MINOR											
		NOTE: Read instructions before completing this form.											
PARAMETER (333)	UNIT	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX.	REFERENCE OR ANALYSIS	SAMPLE TYPE		
NITROGEN, KJELDAHL TOTAL (AS N)	00625 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY COMP15		
EFFLUENT GROSS VALUE		30DA AV	7DA AV	LBS/DY		30DA AV	7DA AV	MG/L					
PHOSPHORUS, TOTAL (AS P)	00665 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY COMP15		
EFFLUENT GROSS VALUE		30DA AV	7DA AV	LBS/DY		30DA AV	7DA AV	MG/L					
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	50050 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	CONTINUOUS RCDFLOW		
EFFLUENT GROSS VALUE		30DA AV	7DA AV	MGD		30DA AV	7DA AV	MG/L					
COLIFORM, FECAL GENERAL	74055 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY GRAB		
EFFLUENT GROSS VALUE		30DA AV	7DA AV	MG/L		30DA AV	7DA AV	MG/L					
BOD, CARBONACEOUS 05 DAY, 20C	80062 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY COMP15		
RAW SEW/INFLUENT		30DA AV	7DA AV	LBS/DY		30DA AV	7DA AV	MG/L					
BOD, CARBONACEOUS 05 DAY, 20C	80062 1 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY COMP15		
EFFLUENT GROSS VALUE		30DA AV	7DA AV	LBS/DY		30DA AV	7DA AV	MG/L					
BOD, 5-DAY PERCENT REMOVAL	81010 K 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	WEEKLY COMP15		
PERCENT REMOVAL		30DA AV	7DA AV	PERCENT		30DA AV	7DA AV	PERCENT					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AN EMPLOYEE OF THE PERMITTEE AND AM RESPONSIBLE FOR OBTAINING THE INFORMATION FOR THE DISCHARGE MONITORING REPORT. I HAVE ACCURATELY AND COMPLETELY FILLING OUT THIS REPORT AND I HAVE NO KNOWLEDGE OF ANY FALSE INFORMATION BEING REPORTED TO THE AGENCY. I HAVE NO KNOWLEDGE OF ANY VIOLATION OF THE PERMIT OR THE ACT OR REGULATIONS UNDER THESE LAWS. I HAVE NO KNOWLEDGE OF ANY VIOLATION OF THE ACT OR REGULATIONS UNDER THESE LAWS. I HAVE NO KNOWLEDGE OF ANY VIOLATION OF THE ACT OR REGULATIONS UNDER THESE LAWS.				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER				TELEPHONE		DATE	
TYPED OR PRINTED										ARPA CODE		NUMBER YEAR MO DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here.)													

Figure 6-1. Sample Preprinted DMR Form

PCS Generalized Retrieval subsystem users may order blank DMR forms for printing at their Regional or State offices. The forms should be requested on EPA Form 2360-1 "Publications/Forms Request" and forwarded to the following address:

DDD/EPA
1901 Ross Ave
Cincinnati, OH 45212

DMR forms may also be printed at NCC. If more than 1000 DMRs are to be printed at one time NCC should be notified in advance and provided with the user's ID, the job number and the estimated number of

DMR forms to be printed. (See Appendix C, "Telephone Numbers" on page C-1 for telephone numbers to call at NCC.)

It should be noted that parameters which are being contested (CONP = Y) will not be printed on either the One-Step or the Two-Step DMR creation. The contested parameters will not be printed and Non-Receipt (D10/D20/D30) violations will not be created.

There are two methods for printing DMRs. The first method is a two-step process which allows the user to retain a magnetic tape of the DMRs that were created so that the same DMRs can be printed multiple times. The second method is a one-step process which creates the DMR information and prints the information at the same time. Each method uses magnetic tape for the DMR forms. The retention period for the magnetic tape is 10 days. The next two subsections describe these two methods.

6.1.1 Two-Step DMR Creation

In this method, DMR preprinting is a two-step process. In the first step a generalized retrieval program is submitted for processing that creates the DMRs, a "DMR Error Report", a "DMR Preprint Report", and two computer print files. At the user's option, the report also includes a listing of those DMRs which have been created. Please see the sample report below (Figure 6-2 on page 6-3):

07/25/88		PERMIT COMPLIANCE SYSTEM DISCHARGE MONITORING REPORTS PRINTED				PAGE: 1	
PERMIT NUMBER	MAILING NAME	MAILING STREET LINE ONE		MAILING STREET LINE TWO		MAILING CITY	STATE
TX0000671	US DEPT OF THE AIR FORCE	KELLY AIR FORCE BASE/2851 ABG		BUILDING 1600		SAN ANTONIO	TX
DISCHARGE - DESIGNATOR	LIMIT TYPE	MONITORING START - END	PARAMETER + MON LOC	QUANTITY		CONCENTRATION	
001 - A	FINAL	880101 880131	UNIT	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
			00310 - 1	LBS/DAY	440 1230	*****	*****
			00340 - 1	LBS/DAY	800 3800	*****	*****
			00400 - 1	*****	*****	SU	6.0 9.0
			00530 - 1	LBS/DAY	140 360	*****	*****
			00550 - 1	LBS/DAY	125 380	*****	*****
			00610 - 1	LBS/DAY	63 88	*****	*****
			00665 - 1	LBS/DAY	21.7 50.0	*****	*****
			00720 - 1	LBS/DAY	0.63 1.9	*****	*****
			01034 - 1	LBS/DAY	3.1 6.3	*****	*****
			01042 - 1	LBS/DAY	3.1 6.3	*****	*****
			01051 - 1	LBS/DAY	0.63 1.25	*****	*****
			01067 - 1	LBS/DAY	7.7 33.0	*****	*****
			01077 - 1	LBS/DAY	0.63 1.25	*****	*****
			01092 - 1	LBS/DAY	3.1 6.3	*****	*****
			34694 - 1	LBS/DAY	0.73 1.46	*****	*****
			78141 - 1	LBS/DAY	REPORT REPORT	*****	*****
001 - A	FINAL	880201 880229	00310 - 1	LBS/DAY	440 1230	*****	*****
			00340 - 1	LBS/DAY	800 3800	*****	*****
			00400 - 1	*****	*****	SU	6.0 9.0
			00530 - 1	LBS/DAY	140 360	*****	*****
			00550 - 1	LBS/DAY	125 380	*****	*****
			00610 - 1	LBS/DAY	63 88	*****	*****
			00951 - 1	LBS/DAY	30 100	*****	*****
			01027 - 1	LBS/DAY	0.5 1.8	*****	*****
			01034 - 1	LBS/DAY	3.1 6.3	*****	*****
			01042 - 1	LBS/DAY	3.1 6.3	*****	*****
			01051 - 1	LBS/DAY	0.63 1.25	*****	*****
			01067 - 1	LBS/DAY	7.7 33.0	*****	*****
			01077 - 1	LBS/DAY	0.63 1.25	*****	*****
			01092 - 1	LBS/DAY	3.1 6.3	*****	*****
			34694 - 1	LBS/DAY	0.73 1.46	*****	*****
			78141 - 1	LBS/DAY	REPORT REPORT	*****	*****
001 - A	FINAL	880301 880331	00310 - 1	LBS/DAY	440 1230	*****	*****
			00340 - 1	LBS/DAY	800 3800	*****	*****
			00400 - 1	*****	*****	SU	6.0 9.0
			00530 - 1	LBS/DAY	140 360	*****	*****
			00550 - 1	LBS/DAY	125 380	*****	*****
			00610 - 1	LBS/DAY	63 88	*****	*****
			00951 - 1	LBS/DAY	30 100	*****	*****
			01027 - 1	LBS/DAY	0.5 1.8	*****	*****

Figure 6-2. DMRS Printed List

The first complete print file contains the information to be printed on the standard DMR form. The second file contains the DMR mailing labels. The second step in the preprinting process involves submitting JCL that releases the two DMR print files for printing at a specified location (See 6.3.1, "PCSADMR" on page 6-13 - 6.3.4, "PCSPDMRL" on page 6-16).

The general format to be followed in generating preprinted forms using the two-step method is:

```
20 DM (or DN) DSN=zzzzzzzz DISP=xxx SIZE=y
20 WITH EDDT GT (or GE) mmddyy
20 WITH EDDT LT (or LE) mmddyy
20 WITH ACRONYM OPERATOR VALUE
```

If "DM" is specified the Generalized Retrieval subsystem will generate a listing of the DMRs that will be printed on the "DMR Preprint Report" in addition to printing the DMRs. If "DN" is specified the subsystem will print only the DMRs. "EDDT" is the acronym for the DMR end dates. "mmddyy" represents the starting and ending dates for the DMR in the month-day-year format where mm = month, dd = day, and yy = year. The first two "20 WITH" cards which specify the date ranges of the DMR forms, are required. Optional "20 WITH" cards from the pipe schedule data type may be included, as shown. "ACRONYM" is

any valid acronym of the pipe schedule data type, "OPERATOR" is any valid logical operator, and "VALUE" is any value appropriate to the corresponding acronym.

The "DSN=" option may be used to specify a partial name of a tape data set that will contain the DMR print file and DMR mailing labels. The value of the "DSN=" option consists of 1 through 8 characters. The first character must be an alphabetic character; the remaining characters can be any alphabetic or numeric character or a hyphen. The value of the "DSN=" option is also used in the second step to print the DMR forms and DMR mailing labels.

If the "DSN" option is used, then the "DISP=" option must be added. The "DISP=" option is used to overwrite or create new data sets for DMR information. If "DISP=OLD" is used on the 20-card, previously created separate data sets for DMR preprint and DMR mailing label data sets will be overwritten with the new information. If "DISP=MOD" is specified new data sets will be created, or those previously created will have the new information appended to them.

If the "DSN=" and "DISP=" options are not used, DMR forms and DMR mailing labels will be loaded to a shared Regional hold file; separate files for each user will not be created.

The "SIZE=" option on the 20-card specifies the size of the DMR mailing labels that will be created where y = 1, 3, 5, 7: "1" for large "1-UP" labels; "3" for large "3-UP" labels; "5" for small "1-UP" labels; and 7 for small "3-UP" labels. The "SIZE=" option is required.

Suppose the user wished to generate DMR forms for selected facilities for calendar year 1989. No listing of the DMR forms is desired. In addition, large "1-UP" DMR labels will be generated. The correct 20 and "20 WITH" cards would be:

```
20 DN SIZE=1
20 WITH EDDT GT 123189 (With DMR Monitoring Period End
                        Date after 12/31/89)
20 WITH EDDT LT 010190 (With DMR Monitoring Period End
                        Date before 1/1/90)
```

6.1.2 One-Step DMR Creation

In this method, a generalized retrieval program is submitted for processing that creates the DMRs, the DMR mailing labels, and prints the DMRs and mailing labels all in one step. The "DMR Error Report", the "DMR Preprint Report", and the two computer print files will be created as in the two-step method. The user will also have the option to print a listing of the DMRs that will be printed.

The general format to be followed in generating preprinted forms using the one-step method is:

```
20 DM(DN) DSN=zzzzzzzz DISP=xxx SIZE=y DMRPRT=f1 FRMT(LRMT)=NnnRmmm
20 WITH EDDT GT (or GE) mmddyy
20 WITH EDDT LT (or LE) mmddyy
20 WITH ACRONYM OPERATOR VALUE
```

If "DM" is specified the Generalized Retrieval subsystem will generate a listing of the DMRs that will be printed on the "DMR Preprint Report" in addition to printing the DMRs. If "DN" is specified the subsystem will print only the DMRs. "EDDT" is the acronym for the DMR end dates. "mmddyy" represents the starting and ending dates for the DMR in the month-day-year format where mm = month, dd = day, and yy = year. The first two "20 WITH" cards which specify the date ranges of the DMR forms, are required. Optional "20 WITH" cards from the pipe schedule data type may be included, as shown. "ACRONYM" is any valid acronym of the pipe schedule data type, "OPERATOR" is any valid logical operator, and "VALUE" is any value appropriate to the corresponding acronym.

The "DSN=" option may be used to specify a partial name of a tape data set that will contain the DMR print file and DMR mailing labels. The value of the "DSN=" option consists of 1 through 8 characters. The first character must be an alphabetic character; the remaining characters can be any alphabetic or numeric character or a hyphen.

If the "DSN" option is used, then the "DISP=" option must be added. The "DISP=" option is used to overwrite or create new data sets for DMR information. If "DISP=OLD" is used on the 20-card, previously created separate data sets for DMR preprint and DMR mailing label data sets will be overwritten with the new information. If "DISP=MOD" is specified new data sets will be created, or those previously created will have the new information appended to them.

If the "DSN=" and "DISP=" options are not used, DMR forms and DMR mailing labels will be loaded to a shared Regional hold file; separate files for each user will not be created.

The "SIZE=" option on the 20-card specifies the size of the DMR mailing labels that will be created where y = 1, 3, 5, 7: "1" for large "1-UP" labels; "3" for large "3-UP" labels; "5" for small "1-UP" labels; and 7 for small "3-UP" labels. The "SIZE=" option is required.

The "DMRPRT=" option instructs the subsystem as to what is to be printed and the type of printing material that is required. The "DMRPRT=" option is required only if the user wishes to use the one-step method of preprinting DMRs. The values of "f" are as follows:

f = F, P, or N (this indicates how the forms are to be printed -
on forms (F), on paper (P), or not printed (N))

l = L, P, or N (this indicates how the DMR mailing labels are to
be printed - on gummed labels (L), on paper (P),
or not printed (N))

Values "f" and "l" are required at all times if the "DMRPRT" option is used. The different combinations of these values are as follows:

DMRPRT=FL - This will print DMRs on DMR forms, labels on gummed labels.

DMRPRT=FP - This will print DMRs on DMR forms, labels on paper.

DMRPRT=FN - This will print DMRs on DMR forms, labels will not be printed.

DMRPRT=PL - This will print DMRs on paper, labels on gummed labels.

DMRPRT=PP - This will print DMRs on paper, labels on paper.

DMRPRT=PN - This will print DMRs on paper, labels will not be printed.

DMRPRT=NL - This will not print DMRs, labels will be printed on gummed labels.

DMRPRT=NP - This will not print DMRs, labels will be printed on paper.

DMRPRT=NN - This will not print DMRs, labels will not be printed. (This is the default. If "DMRPRT=" is not specified, the report will default to this option and the system will assume the two-step method of pre-printing DMR's is to be used).

The "FRMT (or LRMT)" options instruct the subsystem where to print the DMR forms and/or the mailing labels. If neither option is specified, the system will default to printing both the DMR forms and the mailing labels at the remote specified on the 00 card of the generalized retrieval. If a remote is not specified on the 00 card and these options are not specified on the 20 card of the generalized retrieval, the system will default to printing the DMR forms and mailing labels at the remote specified in the JOBMAN portion of the JCL which is usually RMT255. If the user wishes to print DMRs at one remote and mailing labels at another remote, both "FRMT" and "LRMT" can be specified on the 20 card. If both the DMR forms and mailing labels are to be printed at the same remote, then only one of the remote options needs to be specified. The values for "FRMT" and "LRMT" are as follows:

- FRMT=Nnn - The node followed by the node number (1-99).
- FRMT=NnnRmmmm - The node followed by the node number (1-99) followed by the remote and remote number (1-9999). (The user can specify up to 20 characters for a remote number, if necessary.)
- FRMT=Rmmmm - The remote followed by the remote (1-9999). (The user can specify up to 20 characters for a remote number, if necessary.)
- LRMT=Nnn - The node followed by the node number (1-99).
- LRMT=NnnRmmmm - The node followed by the node number (1-99) followed by the remote and remote number (1-9999). (The user can specify up to 20 characters for a remote number, if necessary.)
- LRMT=Rmmmm - The remote followed by the remote (1-9999). (The user can specify up to 20 characters for a remote number, if necessary.)

Let's suppose that a user wants to print DMRs for the state of Utah for the third quarter FY89 using the one-step method and the DMRs will be printed on DMR forms and the mailing labels will be printed on gummed labels at the same remote. The following retrieval statements will have to be specified:

```
00 SYNTAX=NO TIME=5M PRY=1 BIN=D005 RMT=255
01 08 DMR'S FOR THE STATE OF UTAH FOR THIRD QUARTER FY89.
10 STTE EQ UT
20 DM DSN=UTAH DISP=MOD SIZE=1 DMRPRT=FL FRMT=N3.R317
20 WITH EDDT GE 040189
20 WITH EDDT LE 063089
```

6.2 Mailing Labels

The retrieval of mailing labels selected by the user may be accomplished through the PCS Generalized Retrieval subsystem (Figure 6-4 on page 6-8 through Figure 6-9 on page 6-12). The retrieval of mailing labels, is basically a two-step process. The first step produces a listing of permitted facilities (Exhibit 4.3.2) and a "hold" file with mailing label information. The second step prints the hold file (see 6.3.5, "PCSALBL" on page 6-17 - 6.3.6, "PCSALBLA" on page 6-18).

To retrieve mailing labels, the user must adhere to the following format:

```
20 ML (or MN) ADDRESS=aaa SIZE=y DSN=xxxxxxx DISP=zzz
```

"ML" generates a mailing label with the cognizant official's name. "MN" does not print the cognizant official's name.

The "ADDRESS=" option where aaa is equal to "ALT", "OWN", "OPR", or "PRI", allows the user to specify one of four mailing addresses; "ALT" for alternate mailing address, "OWN" for owner's address, "OPR" for operator's address or "PRI" for primary mailing address. If no address value is specified "PRI" is the default.

The "SIZE=" option specifies the size of the mailing label where Y = 1, 3, 5, or 7: "1" for large "1-UP" labels; "3" for large "3-UP" labels; "5" for small "1-UP" labels; and "7" for small "3-UP" labels. Size must be specified in a mailing label retrieval. When the cognizant official is listed (ML), it is necessary to use the large "1-UP" (SIZE=1) or Large "3-UP" (SIZE=3) label stock. No "20 WITH" cards may be used with a mailing label retrieval.

The "DSN=" option may be used to specify a partial name of a tape data set that will contain the mailing labels. The value of the "DSN=" option consists of 1 through 8 characters. The first character must be an alphabetic character; the remaining characters can be any alphabetic or numeric character or a hyphen. The value of the "DSN=" option is also used in the second step to print the mailing labels.

If the "DSN=" option is used, then the "DISP=" option must be used.

If "DISP=OLD" is used, a previously created mailing label data set will be overwritten with the new information. If "DISP=MOD" is used, a new mailing label data set is created; or a previously created mailing label data set will have the information appended to the data already in the data set. If the "DSN=" and "DISP=" options are not used, the mailing labels will be stored on a shared Regional tape data set.

A "PCS Mailing Label Report" (See Figure 6-3) is automatically generated which lists those permitted facilities which do not have sufficient information for a mailing label. Once the user has reviewed the report and is satisfied with the results, the mailing labels may be released to be printed (See 6.3.5, "PCSALBL" on page 6-17 - 6.3.6, "PCSALBLA" on page 6-18).

```

                                P.C.S. MAILING LABELS REPORT                                *****
                                PERMIT COMPLIANCE SYSTEM
                                SAMPLE MAILING LABELS

*****
*****
*                                                                    *
*                                                                    *
*          286 1-UP LARGE STOCK MAILING LABELS HAVE BEEN PREPARED    *
* (USING EPA SPECIAL FORM: 2306)                                     *
*                                                                    *
*                                                                    *
*****

```

Figure 6-3. PCS Mailing Labels Report

An example of a mailing label retrieval is:

20 ML ADDRESS=PRI SIZE=1

This will generate labels printed with the cognizant official's name and primary mailing address on a shared regional tape data set. The labels will print on large "1-UP" label stock.

NPDES: CT0000035 BRISTOL BABCOCK INSTRUMENT/SYS FRANK SANTOLI 40 BRISTOL STREET 40 BRISTOL STREET WATERBURY CT 06708	NPDES: CT0000086 AMERICAN CYANAMID - PLASTICS BRIAN BUSSEY PO BOX 425 WALLINGFORD CT 06492	NPDES: CT0000141 BARNES GROUP - ASSOC. SPRING E. RITTER, MGR - ENGINEERING 18 MAIN STREET BRISTOL CT 06010
NPDES: CT0000191 SEYMOUR SPECIALTY METALS PLANT MANAGER 30 GRAND STREET BRIDGEPORT CT 06602	NPDES: CT0000370 CONTRACT PLATING CO GEO O'CONNOR - V.P. 540 LONG BROOK AVE STRATFORD CT 06497	NPDES: CT0000434 C H DEXTER DIV - DEXTER CORP HERBERT HOFFMAN ONE ELM STREET WINDSOR LOCKS CT 06096
NPDES: CT0000515 O.Z./GEDNEY ELECTRIC CO INC JIM SOMMER MAIN ST TERRYVILLE CT 06786	NPDES: CT0000582 HAMILTON STANDARD RICHARD RYAN BRADLEY INTERNATIONAL AIRPORT WINDSOR LOCKS CT 06096	NPDES: CT0000671 IDEAL MANUFACTURING COMPANY RON BERGERON ROUTE 42 BEACON FALLS CT 06403
NPDES: CT0000736 C E M COMPANY R KARASZEWSKI - PRESIDENT 24 SCHOOL STREET DANIELSON CT 06239	NPDES: CT0000744 CHROMIUM PROCESS COMPANY NORMAN TICE, PRESIDENT PO BOX 647 CANAL STREET SHELDON CT 06484	NPDES: CT0000825 THE NAPIER COMPANY HOWARD C. SCHAEFER 74 CAMBRIDGE STREET MERIDEN CT 06450
NPDES: CT0000850 NESTLE CO. - MAGGI DIVISION W. W. CAREY, MANAGER BOARDMAN ROAD NEW MILFORD CT 06776	NPDES: CT0000957 PFIZER, INC. GILBERT WAGNER EASTERN POINT ROAD GROTON CT 06340	NPDES: CT0001007 ROBERTSHAW CONTROL CO.-MILFORD JOHN WALSH 155 HILL STREET MILFORD CT 06460

Figure 6-4. Mailing Label With Cognizant Official

NPDES: CT0000035 BRISTOL BABCOCK INSTRUMENT/SYS 40 BRISTOL STREET 40 BRISTOL STREET WATERBURY	CT 06708	NPDES: CT0000086 AMERICAN CYANAMID - PLASTICS PO BOX 425 WALLINGFORD	CT 06492	NPDES: CT0000141 BARNES GROUP - ASSOC. SPRING 18 MAIN STREET BRISTOL	CT 06010
NPDES: CT0000191 SEYMOUR SPECIALTY METALS 30 GRAND STREET BRIDGEPORT	CT 06602	NPDES: CT0000370 CONTRACT PLATING CO 540 LONG BROOK AVE STRATFORD	CT 06497	NPDES: CT0000434 C H DEXTER DIV - DEXTER CORP ONE ELM STREET WINDSOR LOCKS	CT 06096
NPDES: CT0000515 O.Z./GEDNEY ELECTRIC CO INC MAIN ST TERRYVILLE	CT 06786	NPDES: CT0000582 HAMILTON STANDARD BRADLEY INTERNATIONAL AIRPORT WINDSOR LOCKS	CT 06096	NPDES: CT0000671 IDEAL MANUFACTURING COMPANY ROUTE 42 BEACON FALLS	CT 06403
NPDES: CT0000736 C E M COMPANY 24 SCHOOL STREET DANIELSON	CT 06239	NPDES: CT0000744 CHROMIUM PROCESS COMPANY PO BOX 647 CANAL STREET SHELDON	CT 06484	NPDES: CT0000825 THE NAPIER COMPANY 74 CAMBRIDGE STREET MERIDEN	CT 06450
NPDES: CT0000850 NESTLE CO. - MAGGI DIVISION BOARDMAN ROAD NEW MILFORD	CT 06776	NPDES: CT0000957 PFIZER, INC. EASTERN POINT ROAD GROTON	CT 06340	NPDES: CT0001007 ROBERTSHAW CONTROL CO.-MILFORD 155 HILL STREET MILFORD	CT 06460

Figure 6-5. Mailing Labels Without Cognizant Official

NPDES: CT0000035
 BRISTOL BABCOCK INSTRUMENT/SYS
 40 BRISTOL STREET
 40 BRISTOL STREET
 WATERBURY CT 06708

NPDES: CT0000086
 AMERICAN CYANAMID - PLASTICS
 PO BOX 425
 WALLINGFORD CT 06492

NPDES: CT0000141
 BARNES GROUP - ASSOC. SPRING
 18 MAIN STREET
 BRISTOL CT 06010

NPDES: CT0000191
 SEYMOUR SPECIALTY METALS
 30 GRAND STREET
 BRIDGEPORT CT 06602

NPDES: CT0000370
 CONTRACT PLATING CO
 540 LONG BROOK AVE
 STRATFORD CT 06497

Figure 6-6. Mailing Labels (SIZE = 1)

NPDES: CT0000035 BRISTOL BABCOCK INSTRUMENT/SYS 40 BRISTOL STREET 40 BRISTOL STREET WATERBURY	CT 06708	NPDES: CT0000086 AMERICAN CYANAMID - PLASTICS PO BOX 425 WALLINGFORD	CT 06492	NPDES: CT0000141 BARNES GROUP - ASSOC. SPRING 18 MAIN STREET BRISTOL	CT 06010
NPDES: CT0000191 SEYMOUR SPECIALTY METALS 30 GRAND STREET BRIDGEPORT	CT 06602	NPDES: CT0000370 CONTRACT PLATING CO 540 LONG BROOK AVE STRATFORD	CT 06497	NPDES: CT0000434 C H DEXTER DIV - DEXTER CORP ONE ELM STREET WINDSOR LOCKS	CT 06096
NPDES: CT0000515 O.Z./GEDNEY ELECTRIC CO INC MAIN ST TERRYVILLE	CT 06786	NPDES: CT0000582 HAMILTON STANDARD BRADLEY INTERNATIONAL AIRPORT WINDSOR LOCKS	CT 06096	NPDES: CT0000671 IDEAL MANUFACTURING COMPANY ROUTE 42 BEACON FALLS	CT 06403
NPDES: CT0000736 C E M COMPANY 24 SCHOOL STREET DANIELSON	CT 06239	NPDES: CT0000744 CHROMIUM PROCESS COMPANY PO BOX 647 CANAL STREET SHELDON	CT 06484	NPDES: CT0000825 THE NAPIER COMPANY 74 CAMBRIDGE STREET MERIDEN	CT 06450
NPDES: CT0000850 NESTLE CO. - MAGGI DIVISION BOARDMAN ROAD NEW MILFORD	CT 06776	NPDES: CT0000957 PFIZER, INC. EASTERN POINT ROAD GROTON	CT 06340	NPDES: CT0001007 ROBERTSHAW CONTROL CO.-MILFORD 155 HILL STREET MILFORD	CT 06460

Figure 6-7. Mailing Labels (SIZE = 3)

NPDES: CT0000035 BRISTOL BABCOCK INSTRUMENT/SYS 40 BRISTOL STREET 40 BRISTOL STREET WATERBURY	CT 06708
NPDES: CT0000086 AMERICAN CYANAMID - PLASTICS PO BOX 425 WALLINGFORD	CT 06492
NPDES: CT0000141 BARNES GROUP - ASSOC. SPRING 18 MAIN STREET BRISTOL	CT 06010
NPDES: CT0000191 SEYMOUR SPECIALTY METALS 30 GRAND STREET BRIDGEPORT	CT 06602
NPDES: CT0000370 CONTRACT PLATING CO 540 LONG BROOK AVE STRATFORD	CT 06497

Figure 6-8. Mailing Labels (SIZE = 5)

NPDES: CT0000035 BRISTOL BABCOCK INSTRUMENT/SYS 40 BRISTOL STREET 40 BRISTOL STREET WATERBURY CT 06708	NPDES: CT0000086 AMERICAN CYANAMID - PLASTICS PO BOX 425 WALLINGFORD CT 06492	NPDES: CT0000141 BARNES GROUP - ASSOC. SPRING 18 MAIN STREET BRISTOL CT 06010
NPDES: CT0000191 SEYMOUR SPECIALTY METALS 30 GRAND STREET BRIDGEPORT CT 06602	NPDES: CT0000370 CONTRACT PLATING CO 540 LONG BROOK AVE STRATFORD CT 06497	NPDES: CT0000434 C H DEXTER DIV - DEXTER CORP ONE ELM STREET WINDSOR LOCKS CT 06096
NPDES: CT0000515 O.Z./GEDNEY ELECTRIC CO INC MAIN ST TERRYVILLE CT 06786	NPDES: CT0000582 HAMILTON STANDARD BRADLEY INTERNATIONAL AIRPORT WINDSOR LOCKS CT 06096	NPDES: CT0000671 IDEAL MANUFACTURING COMPANY ROUTE 42 BEACON FALLS CT 06403
NPDES: CT0000736 C E M COMPANY 24 SCHOOL STREET DANIELSON CT 06239	NPDES: CT0000744 CHROMIUM PROCESS COMPANY PO BOX 647 CANAL STREET SHELDON CT 06484	NPDES: CT0000825 THE NAPIER COMPANY 74 CAMBRIDGE STREET MERIDEN CT 06450
NPDES: CT0000850 NESTLE CO. - MAGGI DIVISION BOARDMAN ROAD NEW MILFORD CT 06776	NPDES: CT0000957 PFIZER, INC. EASTERN POINT ROAD GROTON CT 06340	NPDES: CT0001007 ROBERTSHAW CONTROL CO.-MILFORD 155 HILL STREET MILFORD CT 06460

Figure 6-9. Mailing Labels (SIZE = 7)

6.3 Processing DMRs and Mailing Labels

Both DMR forms and mailing labels require the submission of another job to actually print the forms or labels. Six different procedures have been developed to print DMR forms or mailing labels. The procedure names are listed below.

TERM DESCRIPTION

PCSADMR

Prints data on DMR forms

PCSPDMR

Prints DMR data on paper

PCSADMRL

Prints the DMR mailing labels on gummed labels

PCSPDMRL

Prints the DMR mailing labels on paper

PCSALBL

Prints mailing label data on gummed labels

PCSALBLA

Prints mailing label data on paper

The steps to use each of these procedures will be explained in the following subsections.

6.3.1 PCSADMR

The PCSADMR procedure is used to print data onto DMR forms. The steps to be followed will depend on the options used on the "20 DM" card or the "20 DN" card. See Chapter 6, "DMR Preprint and Mailing Label Processing" on page 6-1 for an explanation of these cards.

If no "DSN=" option is specified on either of the two 20-cards, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSADMR,REGN='xx'
where
```

"xx" = The code for the Region printing DMR forms. The Region code must be enclosed in single quotes.

If the "DSN=" option is specified on the "20 DM" card or the "20 DN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSADMR
//SYSUT1 DD DSN=uuuuuuu.xxxxxxxx.FORM
```

where

"uuu" = The user's ID who ran the retrieval request to create the DMR forms;

"aaaa" = The account code of the user who ran the retrieval request to create the DMR forms;

"xxxxxxx" = The value given to the "DSN=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms.

6.3.2 PCSPDMR

The PCSPDMR procedure is used to print DMR data on paper. The steps to be followed will depend on the options used on the "20 DM" card or the "20 DN" card. See Chapter 6, "DMR Preprint and Mailing Label Processing" on page 6-1 for an explanation of these cards.

If no "DSN=" option is specified on either of the two 20-cards, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSPDMR,REGN='xx'
```

where

"xx" = The code for the Region printing DMR forms. The Regional code must be enclosed in the single quotes.

If the "DSN=" option is specified on the "20 DM" card or the "20 DN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSPDMR
//SYSUT1 DD DSN=uuuuuuu.xxxxxxxx.FORM
```

where:

"uuu" = The user's ID who ran the retrieval request to create the DMR forms;

"aaaa" = The account code of the user who ran the retrieval request to create the DMR forms;

"xxxxxxx" = The value given to the "DSN=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms.

6.3.3 PCSADMRL

The PCSADMRL procedure is used to print the DMR mailing labels on gummed labels. The steps to be followed will depend on the options used on the "20 DM" card or the "20 DN" card. See Chapter 6, "DMR Preprint and Mailing Label Processing" on page 6-1 for an explanation of these cards.

If no "DSN=" option is specified on either of the two 20-cards, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSADMRL,REGN='xx',FORM='ffff'
```

where:

"xx" = The code for the Region printing DMR forms.
The Region code must be enclosed in the single quotes.

"ffff" = The special forms code used to print the mailing labels. The forms code must be enclosed in single quotes.

The special forms code must correspond to the value of the "SIZE=" option specified on the "20 DM" or "20 DN" card. Table 6-1 on page 6-15 shows the correlation of the "SIZE=" option values to the special forms codes.

"SIZE=" VALUE	LABEL SIZE	SPECIAL FORMS CODE	EXPLANATION
1	1 7/16" x 4"	2306	1-up large stock mailing labels. Accommodates cognizant official's name for DMR.
3	1 7/16" x 4"	Cannot be printed at NCC	3-up large stock mailing labels. Accommodates cognizant official's name for DMR.
5	1 15/16" x 3 1/2"	2301	1-up small stock mailing labels. No space for cognizant official's name.
7	1 15/16" x 3 1/2"	Cannot be printed at NCC	3-up small stock mailing labels. No space for cognizant official's name.

Table 6-1. Special Forms Codes. The above table shows the correlation of the "SIZE=" option values to the special forms codes.

If the "DSN=" option is specified in the "20 DM" card or the "20 DN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSADMRL,FORM='ffff'
//SYSUT1 DD DSN=uuuuaaaa.xxxxxxxx.LABELs
```

where:

"ffff" = The special forms code used to print the mailing labels. The forms code must be enclosed in single quotes.

"uuu" = The user's ID who ran the retrieval request to create the DMR forms;

"aaaa" = The account code of the user who ran the retrieval request to create the DMR forms;

"xxxxxxx" = The value given to the "DSN=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms;

"s" = The value of the "SIZE=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms.

The special forms code must correspond to the value of the "SIZE=" option. Table 6-1 on page 6-15 shows the correlation of the "SIZE=" option values to the special forms codes.

6.3.4 PCSPDMRL

The PCSPDMRL procedure prints the DMR mailing labels on paper. The steps to be followed will depend on the options used on the "20 DM" card or the "20 DN" card. See 4.13, "Selective Quarterly Noncompliance Report" on page 4-35 for an explanation of these cards.

If no "DSN=" option is specified on either of the two 20-cards, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSPDMRL,REGN='xx'
```

where:

"xx" = The code for the Region printing DMR forms. The Region code must be enclosed in the single quotes.

If the "DSN=" option is specified on the "20 DM" card or the "20 DN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSPDMRL
//SYSUT1 DD DSN=uuuuuuu.xxxxxxxx.LABELS
```

where:

"uuu" = The user's ID who ran the retrieval request to create the DMR forms;

"aaaa" = The account code of the user who ran the retrieval request to create the DMR forms;

"xxxxxxx" = The value given to the "DSN=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms;

"s" = The value of the "SIZE=" option used on the "20 DM" or "20 DN" card of the retrieval request which created the DMR forms.

6.3.5 PCSALBL

The PCSALBL procedure prints mailing addresses on gummed labels. The steps to be followed will depend on the options used on the "20 ML" card or the "20 MN" card. See 6.2, "Mailing Labels" on page 6-6 for an explanation of these cards.

If no "DSN=" option is specified on either of the two 20-cards, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSALBL,REGN='xx',FORM='ffff'
```

where:

"xx" = The code for the Region printing mailing labels. The Region code must be enclosed in the single quotes.

"ffff" = The special forms code used to print the mailing labels. The forms code must be enclosed in single quotes.

The special forms code must correspond to the value of the "SIZE=" option specified on the "20 DM" or "20 DN" card. Table 6-1 on page 6-15 shows the correlation of the "SIZE=" option values to the special forms codes.

If the "DSN=" option is specified on the "20 ML" card or the "20 MN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSALBL,FORM='ffff'
//SYSUT1 DD DSN=uuuuuuu.xxxxxxxx.LABELs
```

where:

"ffff" = The special forms code used to print the mailing labels. The forms code must be enclosed in single quotes;

"uuu" = The user's ID who ran the retrieval request to create the mailing labels;

"aaaa" = The account code of the user who ran the retrieval request to create the mailing labels;

"xxxxxxx" = The value given to the "DSN" option used on the "20 ML" or "20 MN" card of the retrieval request which created the mailing labels;

"s" = The value of the "SIZE=" option used on the "20 ML" or "20 MN" card of the retrieval request which created the mailing labels.

6.3.6 PCSALBLA

The PCSALBLA procedure is used to print mailing labels on paper. The following set of JCL statements should be created and submitted to the NCC-IBM for processing:


```
// JOB
// EXEC PCSALBLA,REGN='xx'
```

where:

"xx" = The code for the Region printing mailing labels.
The Region code must be enclosed in single quotes.

If the "DSN=" option is specified on the "20 ML" card or the "20 MN" card, then the following set of JCL statements should be created and submitted to the NCC-IBM for processing:

```
// JOB
// EXEC PCSALBLA
//SYSUT1 DD DSN=uuuaaa.xxxxxxxx.LABELs
```

where:

"ffff" = The special forms code used to print the mailing labels. The forms code must be enclosed in single quotes;

"uuu" = The user's ID who ran the retrieval request to create the mailing labels;

"aaaa" = The account code of the user who ran the retrieval request to create the mailing labels;

"xxxxxxx" = The value given to the "DSN=" option used on the "20 ML" or "20 MN" card of the retrieval request which created the mailing labels;

"s" = The value of the "SIZE=" option used on the "20 ML" or "20 MN" card of the retrieval request which created the mailing labels.

6.3.7 JCL for Preprinting DMRs

There are seven possible lines of JCL which may be used to print DMRs. Several of the lines are optional. The JCL statements and when to use them are discussed below:

```
//uuu JOB (aaaaPCSY,bbbb), 'DMRPRT', PRTY=2, TIME=(mm,ss)
/*ROUTE PRINT RMTxxx
/*JOBPARM LINECT=0
//STEP1 EXEC PCSADMR,REGN=xx
//SYSUT1 DD DSN=uuuaaaa.xxxxxxxx.FORM
//SYSUT2 DD SYSOUT=A
```

LINE 1

```
//uuu JOB( aaaaPCSY,bbbb), 'DMRPRT', PRTY=2, TIME=(mm,ss)
```

The job card is always required. The following variables must be specified to the users needs.

TERM	DESCRIPTION
uuu	user id

aaaa account number

bbbb Bin number

PRTY = Priority from 1 - 5

TIME = in minutes and seconds, i.e. (02,00) = 2 minutes

LINE 2

```
/*ROUTE PRINT RMTxxx
OR
/*ROUTE PRINT Nxx
```

The ROUTE card is required to print the DMR's at locations other than North Carolina. The default is RMT000.

LINE 3

```
/*JOBPARM LINECT=0
```

The LINECT card is required for all printers. This card insures that the spacing will be correct on the DMRs. It causes the printer to ignore any special carriage control that might already be set up.

LINE 4

```
//STEP1 EXEC PCSADMR,REGN=xx
```

The EXEC card is always required. See 6.3.1, "PCSADMR" on page 6-13 - 6.3.6, "PCSALBLA" on page 6-18.

LINE 5

```
//SYSUT1 DD DSN=EKZPCSY.DMRTEST.FORM
```

The STSUT1 card is required only if the DSN= option was used in the DMR request. See 6.3.1, "PCSADMR" on page 6-13 - 6.3.6, "PCSALBLA" on page 6-18.

LINE 6

```
//SYSUT2 DD SYSOUT=A
```

The STSUT2 card is only required if DMRs will be printed on the regional Mini-Computers or state mainframes that do not recognize the specification of forms queues. If this card is omitted, the DMRs will be sent to a special FORMS queue.

Chapter 7. PCS Graphics

7.1 Effluent Data Statistics (EDS)

The Effluent Data Statistics (EDS) allows the DMR effluent data to be either statistically analyzed or graphed over time. In addition, mass loading reports and graphs can be produced. Since DMR data can be saved in various unit formats, it is first converted to PCS standard units before being analyzed. One sample shows an Effluent Data Statistics System report with the `OPTION=CO`. The three 10 cards select for State, River Basin, and Major discharge indicator. The four 20 cards select for the date range and parameters of interest.

7.1.1 EDS General Format

The general format for retrieving this report is:

```
20 AN OPTION=xx DSN=xxxxxxxx DISP=xxx COMP=xxxx EST=xxx
20 AN OPTION=xx FIELD=xx RANGE=x STAT=xxxxxx GROUP=PAGE
20 AN OPTION=xx BOUND=x STBC=xxx WCNT=xx XCONC=xxxxxx
20 WITH MVDT GT MMDDYY
20 WITH VPRM EQ xxxxx
```

"AN" on the 20 card identifies this as an Effluent Data Statistics retrieval. There is a limit of 20 AN reports that can be run in the same retrieval. To make it most efficient the 20 cards should be grouped consecutively. All the parameters for each report must fit on one "20 AN" card. There can be no continuation of parameters if they do not fit on one "20 AN" card. In addition to the above parameters, GHOST and ARCHIVE can also be coded on the "20 AN" card. However if multiple reports are to be produced and GHOST and ARCHIVE are coded, all the reports in the retrieval will include GHOST and ARCHIVED data.

7.1.1.1 Report Types

OPTION =

This is a two character code which EDS will use to determine the type of run. `OPTION=xx` must always be the first parameter coded after the AN. `xx` represents one of twenty-five (25) options to choose from. These options are categorized into three general types and a miscellaneous category.

TYPE A: This type will calculate basic statistics such as mean, standard deviation, median, range and maximum with an option to produce bar or line charts of statistics for the desired time periods.

The options under this category specify the type of output to be generated after statistics have been computed. There are three options available:

- AR** This option creates a listing of statistics of the data that has been computed.
- AB** This option creates a bar chart diagram showing the statistics that have been computed.
- AG** This option creates a line graph diagram showing the statistics that have been computed.

TYPE A Examples: The two graphic examples below can be created with the following retrieval logic:

```
01 02 EFFLUENT HISTORY FOR NY0026689
10 NPID EQ NY0026689
20 AN OPTION= AB DSN= YONKERS STAT= MPSX
20 AN OPTION= AG FIELD= A COMP= CONC
```

20 WITH MVDT GE 010185
20 WITH MVDT LE 123190
20 WITH VDSG EQ 001A
20 WITH VMLO EQ 1
20 WITH VPRM AL 00310
20 WITH VPRM AL 00530
20 WITH VPRM AL 74055

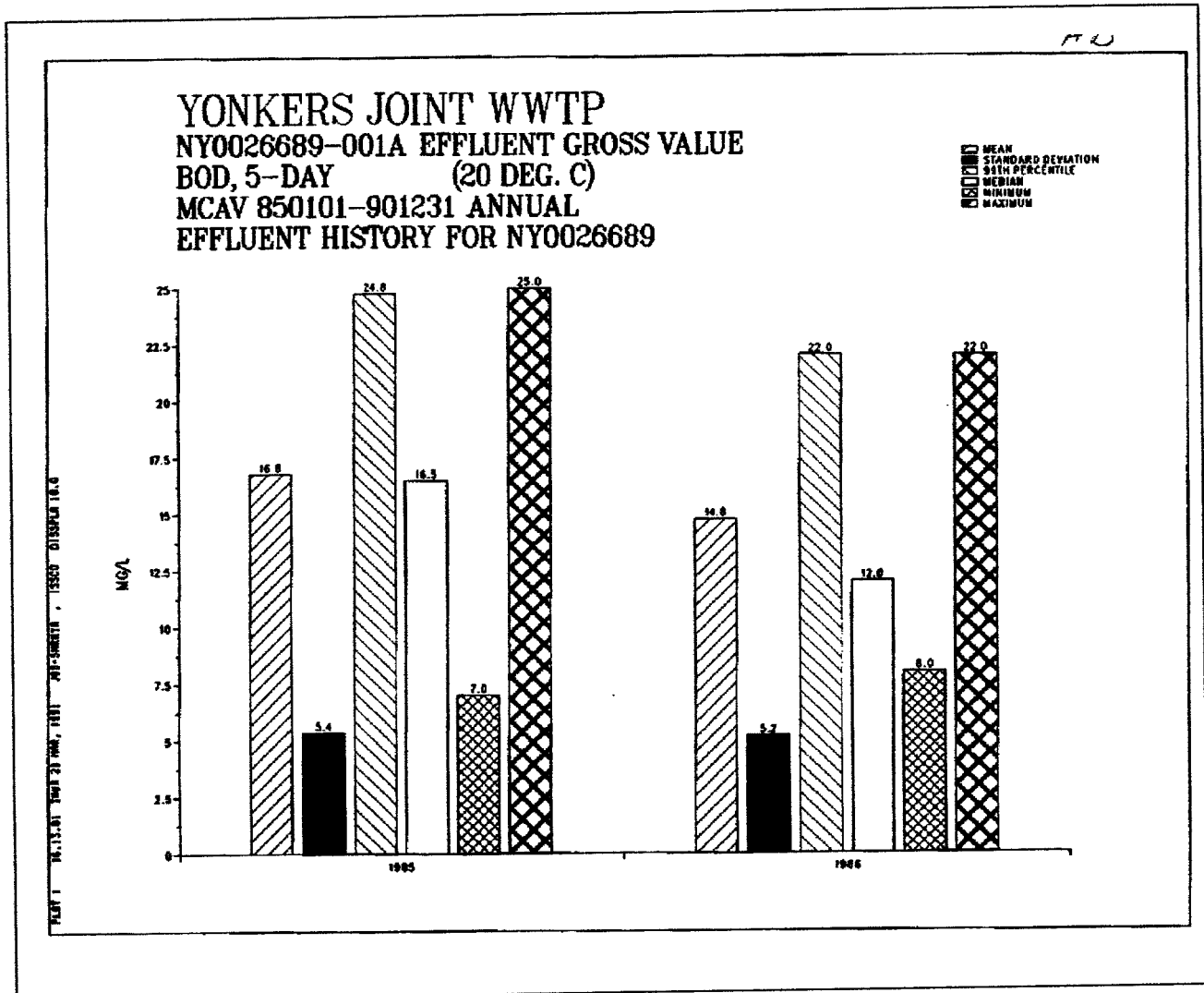


Figure 7-1. EDS Report Type A, Option AB

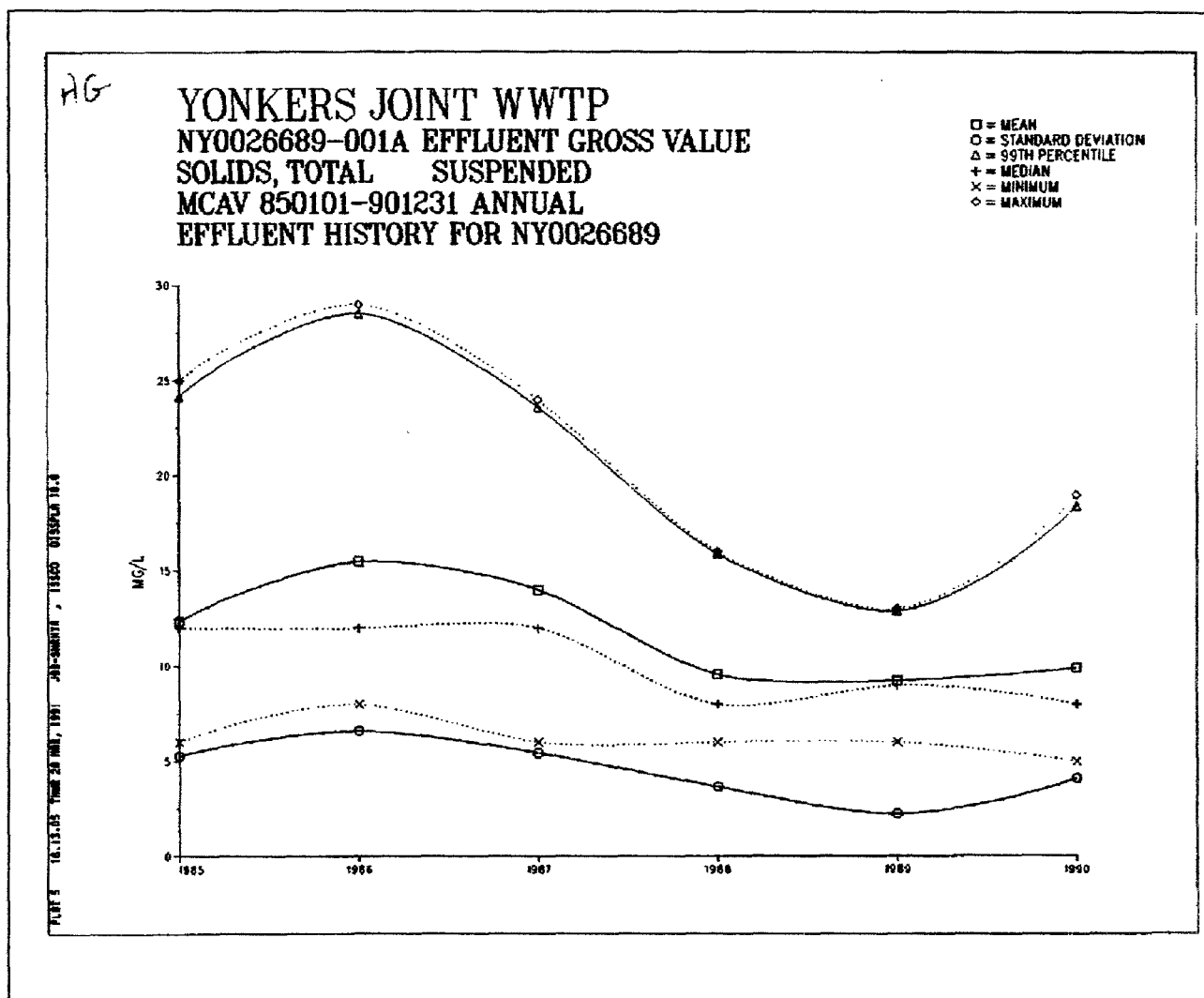


Figure 7-2. EDS Report Type A, Option AG

TYPE B: This type will generate the aggregate mass loading for a specified time period and create a map depicting the location and magnitude of the resulting value using three dimensional bars. Totalling may be done per outfall, facility, city, county state or river basin. It should be noted that latitude/longitude data is needed in PCS in order to produce the graphical output of this option.

The options under this category deal with data after total loadings (kgs/day) for each parameter at each monitoring location in each facility have been computed. Two sort orders are provided. Options that have the letter H in them are sorted by hydrological basin code. Options that have the letter G in them are sorted geographically. The hydrological basin sort order is

1. Basin
2. State
3. County
4. City
5. NPDES Number
6. Outfall Number

The Geographical sort order is

1. State
2. County
3. City
4. NPDES Number
5. Outfall Number

There are sixteen options available.

- BG - This option creates a report and three dimensional diagram depicting the geographical area and effluent loadings at the facility level.
- BE - This option creates a summary report of a single value indicating a single total loading for the selected area.
- BI - This option creates a report showing total loadings by Standard Industrial Code (SIC).
- BP - This option creates a report showing total loadings parameter.
- GS - This option creates a report showing total loadings per state.
- GC - This option creates a report showing total loadings per county.
- GI - This option creates a report showing total loadings per city.
- GF - This option creates a report showing total loadings per facility.
- GO - This option creates a report showing total loadings per outfall.
- HB - This option creates a report showing total loadings per basin.
- HS - This option creates a report showing total loadings per state.
- HC - This option creates a report showing total loadings per county.
- HI - This option creates a report showing total loadings per city.
- HF - This option creates a report showing total loadings per facility.
- HO - This option creates a report showing total loadings per outfall.
- WC - This option creates a three dimensional diagram of a geographic area and a report of the worst sources based on total loadings of the area.

TYPE B Examples: The graphic examples below can be created with the following retrieval logic:

```
00 Note that MSGCLASS = A must be present, or no output will
   be generated
01 02 FACILITIES IN THE LOWER HUDSON RIVER BASIN, BOD IN 1990
02    DISCHARGING BOD IN 1990
```

20 AN OPTION = HS
 20 AN OPTION = GS
 20 AN OPTION = WC WCNT = 5
 20 WITH MVD T GE 010190
 20 WITH MVD T LE 123190
 20 WITH VPRM EQ 00310

PERMIT COMPLIANCE SYSTEM			RUN DATE: 06/05/91		PAGE: 1
EFFLUENT DISCHARGE MASS LOADING REPORT					
HYDROLOGICAL LISTING BY STATE					
FACILITIES IN THE LOWER HUDSON RIVER BASIN DISCHARGING BOD IN 1990					
BEG DATE	STATE				
END DATE	BASIN	BASIN DESC			

01/01/90	NY				
12/31/90	013300	NE/LOWER HUDSON-NYC			
		00310			
		BOD, 5-DAY			
		KILOGRAMS			
	1990	39,224,145.00			

	TOTAL	39,224,145.00			

01/01/90	NJ				
12/31/90	013301	NE/LOWER HUDSON-NYC			
		00310			
		BOD, 5-DAY			
		KILOGRAMS			
	1990	2,389,617.40			

	TOTAL	2,389,617.40			

01/01/90	NJ				
12/31/90	013302	NE/LOWER HUDSON-NYC			
		00310			
		BOD, 5-DAY			
		KILOGRAMS			
	1990	4,037.70			

	TOTAL	4,037.70			

Figure 7-3. EDS Report Type B, Option HS

PERMIT COMPLIANCE SYSTEM		RUN DATE: 06/05/91		PAGE: 1
EFFLUENT DISCHARGE MASS LOADING REPORT				
GEOGRAPHICAL LISTING BY STATE				
FACILITIES IN THE LOWER HUDSON RIVER BASIN DISCHARGING BOD IN 1990				
BEG DATE	STATE			
END DATE				

01/01/90	NJ			
12/31/90				
	00310			
	BOD, 5-DAY			
	KILOGRAMS			
	1990	50,697,933.00		

	TOTAL	50,697,933.00		

01/01/90	NY			
12/31/90				
	00310			
	BOD, 5-DAY			
	KILOGRAMS			
	1990	39,225,881.00		

	TOTAL	39,225,881.00		

Figure 7-4. EDS Report Type B, Option GS

PERMIT COMPLIANCE SYSTEM						RUN DATE: 06/05/91		PAGE: 1
EFFLUENT DISCHARGE MASS LOADING REPORT								
5 WORST DISCHARGERS								
FACILITIES IN THE LOWER HUDSON RIVER BASIN DISCHARGING BOD IN 1990								
BEG DATE	FACILITY NAME	NPDES ID	MAJOR IND	SIC2	SIC2 DESC	COUNTY	CITY	
END DATE	BASIN	BASIN DESC			RECEIVING WATERWAY	LATITUDE	LONGITUDE	

01/01/90	NEWTOWN CREEK WPC	NY0026204	MAJOR	4952	SEWERAGE SYSTEMS	KINGS	NEW YORK BROOKL	
12/31/90	013300	NE/LOWER HUDSON-NYC			EAST RIVER	4043540N	07357570W	
	00310							
	BOD, 5-DAY							
	KILOGRAMS							
1990	17,343,286.00							

01/01/90	POMELL DUFFRYN TERMINALS INC.	NJ0003361	MAJOR	5169	CHEMICALS AND ALLIED PRODUCTS	HUDSON	BAYONNE CITY	
12/31/90	013311	NE/LOWER HUDSON-NYC			KILL VAN KULL	4039260N	07406070W	
	00310							
	BOD, 5-DAY							
	KILOGRAMS							
1990	13,392,682.00							

01/01/90	CLINTON TOWN OF W/TP	NJ0020389	MAJOR	4953	REFUSE SYSTEMS	HUNTERDON	CLINTON /TWP/	
12/31/90	013304	NE/LOWER HUDSON-NYC			SOUTH BRANCH RAR	4037320N	07454370W	
	00310							
	BOD, 5-DAY							
	KILOGRAMS							
1990	11,579,410.00							

01/01/90	PASSAIC VALLEY SEWERAGE COMM	NJ0021016	MAJOR	4952	SEWERAGE SYSTEMS	ESSEX	NEWARK	
12/31/90	013312	NE/LOWER HUDSON-NYC			UPPER NEW YORK B	4042450N	07408130W	
	00310							
	BOD, 5-DAY							
	KILOGRAMS							
1990	6,218,700.00							

01/01/90	CONEY ISLAND WPC	NY0026182	MAJOR	4952	SEWERAGE SYSTEMS	KINGS	NEW YORK BROOKL	
12/31/90	013300	NE/LOWER HUDSON-NYC			ROCKAWAY INLET	4042560N	07400170W	
	00310							
	BOD, 5-DAY							
	KILOGRAMS							
1990	4,091,206.40							

Figure 7-5. EDS Report Type B, Option WC

Type C: This type will generate a time graph of parametric data either one or three plots per page. The options with this type present graphic representations of the effluent data. There are three (3) options available with type C:

- CO - This option creates a line graph diagram showing the activity of a parameter at a single measuring location over a number of years. (One per page.)
- CF - This option creates a line graph diagram showing multiple parameters at a single monitoring location over a variable time scale. (Three graphs per page.)
- CT - This option creates a line graph diagram showing a parameter of a single monitoring location over one calendar year. Multiple graphs are produced for multiple years. (Three graphs per page.)

TYPE C Examples: The graphic examples below can be created with the following retrieval logic:

01 02 EFFLUENT HISTORY FOR NY0026689

10 NPID EQ NY0026689

20 AN OPTION= CO

20 AN OPTION= CF

20 AN OPTION= CT

20 WITH MVDT GE 010185

20 WITH MVDT LE 123190

20 WITH VD SG EQ 001A

20 WITH VMLO EQ 1

20 WITH VPRM AL 00310

20 WITH VPRM AL 00530

20 WITH VPRM AL 74055

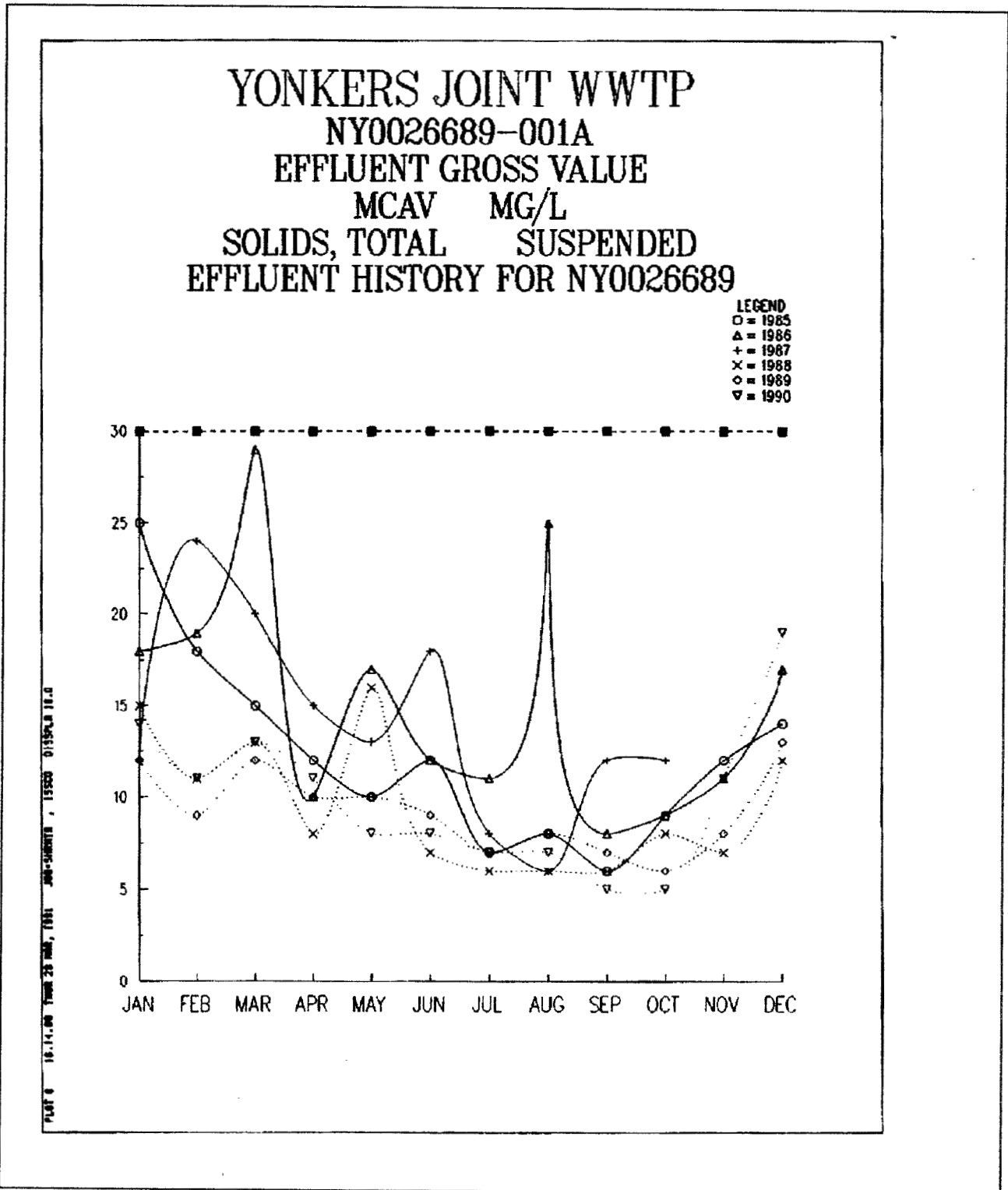


Figure 7-6. EDS Report Type C, Option CO

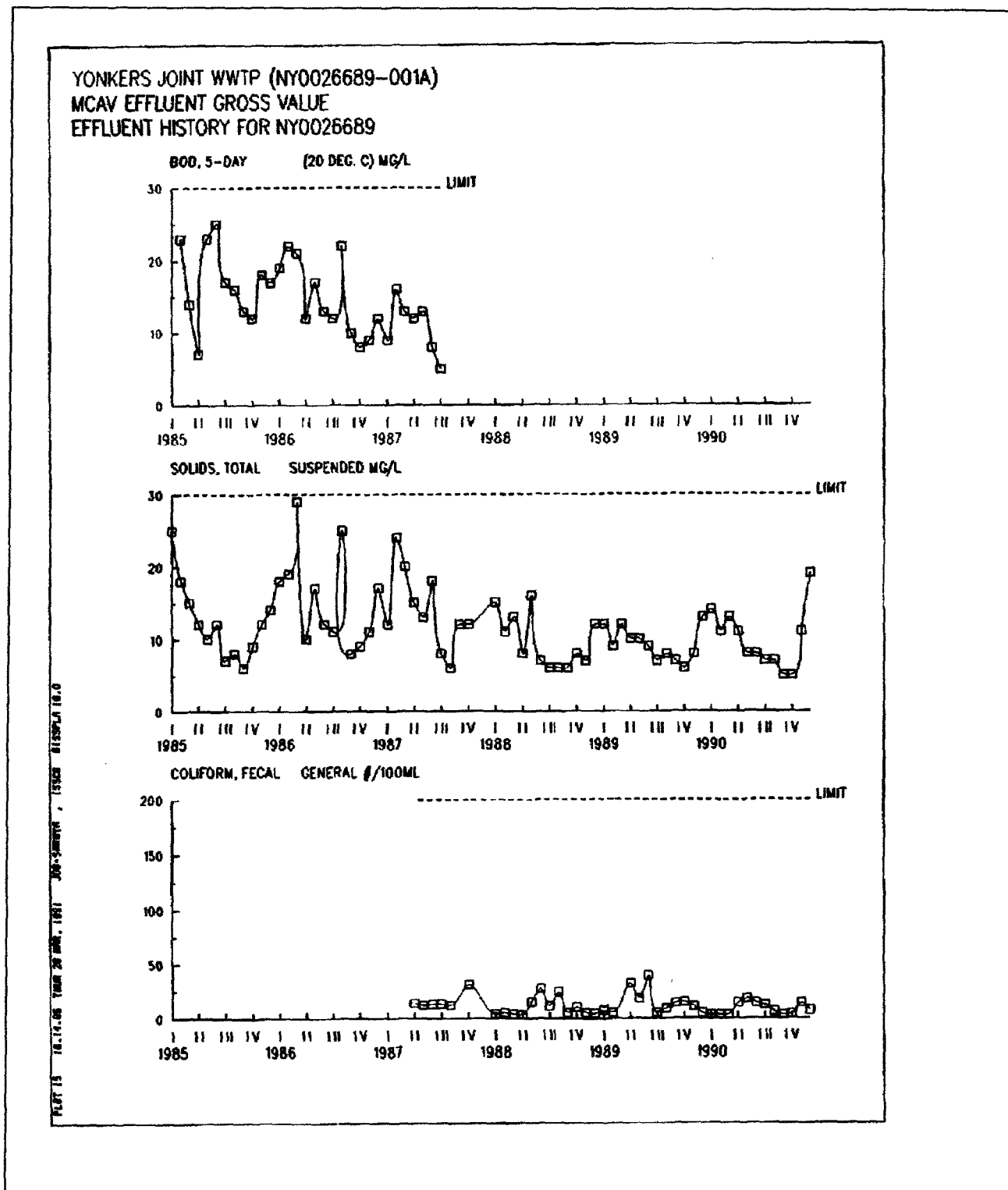


Figure 7-7. EDS Report Type C, Option CF

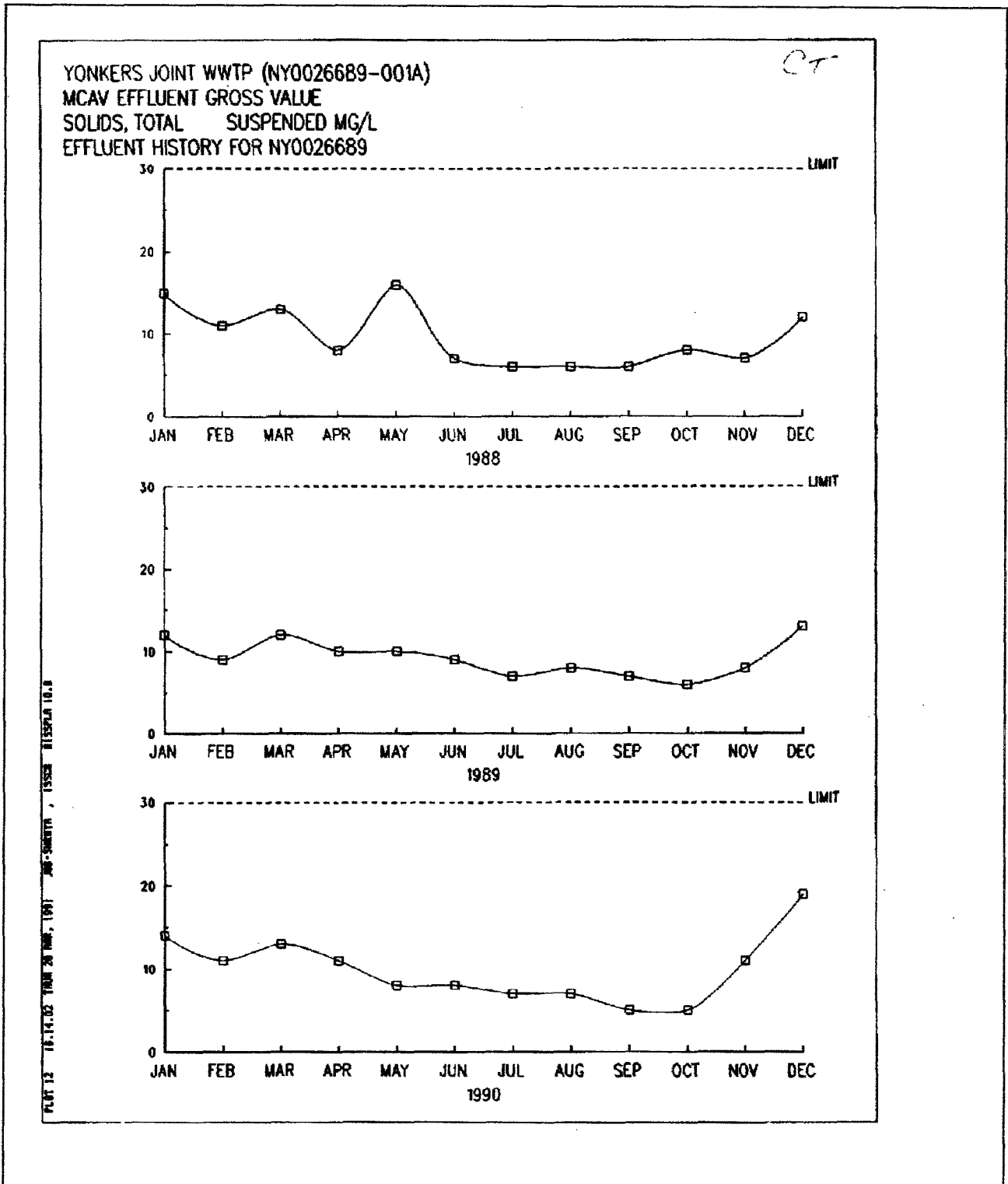


Figure 7-8. EDS Report Type C, Option CT

Miscellaneous: Special EDS reports and/or graphs not else where classified. There are presently three (4) options available:

- BS - This option creates a statistical loading report.
- CD - This option creates a dataset containing data suitable for use by a user written program.
- FL - This option creates a map of a geographic area and a report of all sources within that area.

Miscellaneous Type Examples: The graphic examples below can be created with the following retrieval logic:

```

01 02 FACILITIES IN THE LOWER HUDSON RIVER BASIN, BOD IN 1990
20 AN OPTION= FL DSN= EDSOPTB GHOST= YES
20 AN OPTION= BS
20 WITH MVDT GE 010190
20 WITH MVDT LE 123190
20 WITH VPRM EQ 00310
  
```

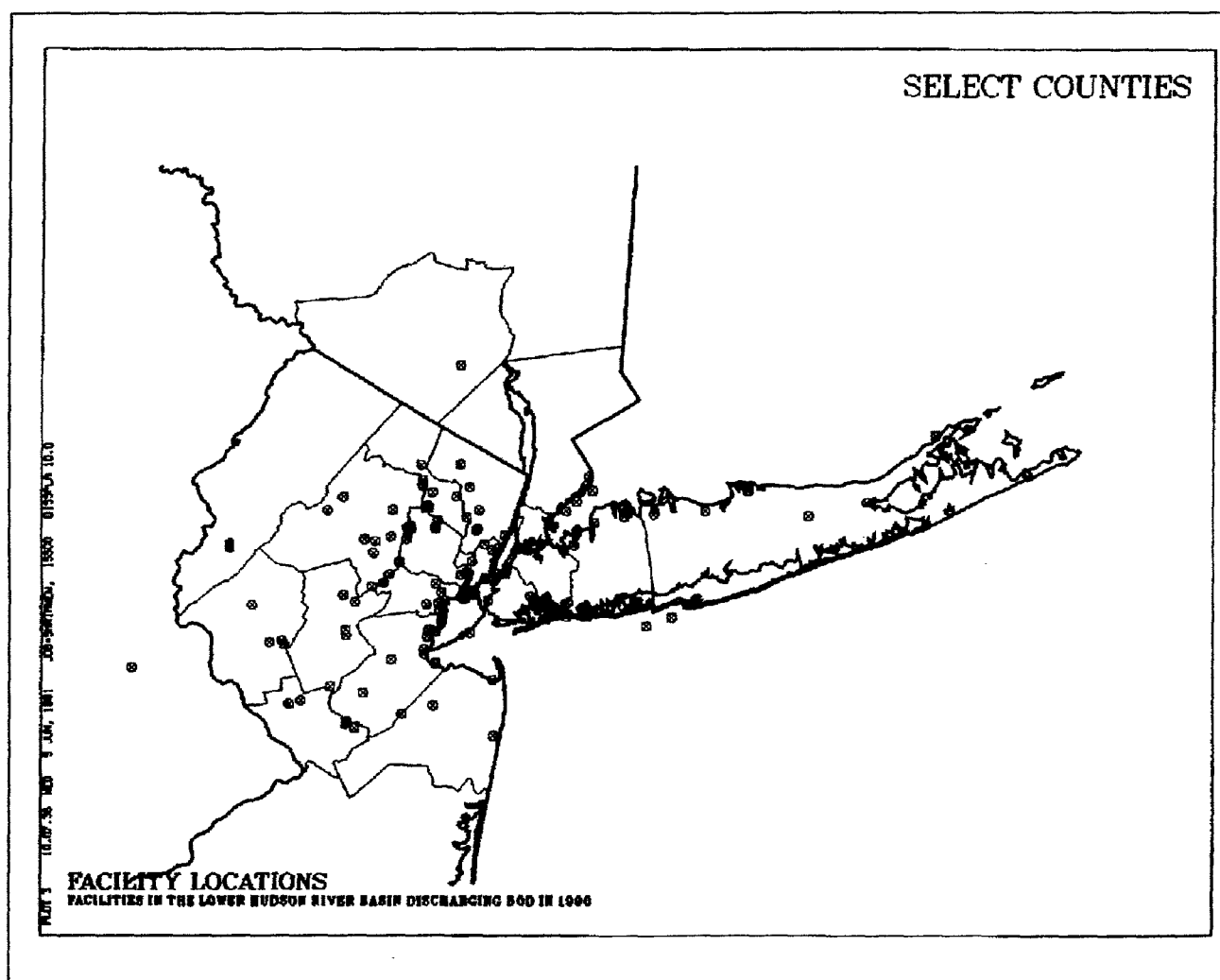


Figure 7-9. EDS Miscellaneous, Option FL

PERMIT COMPLIANCE SYSTEM					10:08 Wednesday, June 5, 1991						
STATISTICAL LOADING REPORT											
FACILITIES IN THE LOWER HUDSON RIVER BASIN DISCHARGING BOD IN 1990											
----- PARAMETER CODE=00310 PARAMETER DESCRIPTION=BOD, 5-DAY STATE=NJ -----											
RECEIVING WATER	FACILITY NAME	PERMIT #	YEAR	AVE CONC (MG/L)	AVE FLOW (MGD)	AVE LOAD (KG/DAY)	EXCESS LOAD (KG/DAY)	FLOW WT CONC (MG/L)	MTHS	STD	ERR
WHIPPANY R.	ADVANCED WASTEWATER TREATMEN	NJ0024970	1990	2.2833	11.7558	101.0917	-1233.78	2.2719	12	11.5261	
CLEVELAND BROOK AND HOWEY	AT&T	NJ0000809	1990	2.5000	0.0265	0.2555	-2.7536	2.5472	2	0.0738	
KILL VAN KULL	BAYONNE STP	NJ0025836	1990	107.6667	7.2433	2704.667	1882.186	98.6528	3	99.5278	
HACKENSACK R.	BERGEN COUNTY UA	NJ0020028	1990	17.6250	77.6750	5149.000	-3671.00	17.5136	8	354.8669	
WHIPPANY R.	BUTTERWORTH STP	NJ0024911	1990	17.1992	1.6415	108.2833	-78.1090	17.4283	12	5.5206	
PASSAIC R.	CALDWELL STP	NJ0020427	1990	25.2727	4.2091	413.0000	-64.9423	25.9236	12	30.5738	
CRANBURY BROOK	CARTER-WALLACE INC	NJ0002666	1990			0.6667			3	0.1202	
ARTHUR KILL	CARTERET STP , BOROUGH OF	NJ0024571	1990	560.0000	2.6530	5619.000	5317.752	559.5719	1		
PECONIA RIVER	CEDAR GROVE STP	NJ0025330	1990	18.2000	45.7465	4425.159	-769.356	25.5567	10	2572.331	
NONE	CENTRAL SEWAGE TREATMENT PLA	NJ0034339	1990	30.6677	4588.787	1028.289	-520028	0.0592	12	302.5622	
ARTHUR KILL (DSN 008)	CHEVRON USA INC	NJ0000221	1990	4.2111	1.4625	10.7356	-155.331	1.9394	9	2.0937	
SOUTH BRANCH RAR	CLINTON TOWN OF WMP	NJ0020389	1990	23.4500	88.4998	32165.03	22115.88	96.0232	12	32088.19	
GREEN POND BRK	DEPARTMENT OF THE ARMY	NJ0002500	1990	21.1400	0.4229	32.7700	-15.2503	20.4726	10	7.6331	
ACID BROOK	E I DUPONT DE NEMOURS	NJ0001350	1990		0.0000				0		
STORM SEWER TO SOUTH RIVER	E.I. DU PONT DE NEMOURS & CO	NJ0000159	1990	3.0667	0.9368	10.7075	-95.6699	3.0197	12	1.7183	
MILLSTONE RIVER	EAST WINDSOR WATER POLLUTION	NJ0023787	1990	9.5750	2.3745	87.4833	-182.141	9.7339	12	6.4275	
HUDSON RIVER	EDGEWATER SEWAGE TREATMENT P	NJ0020591	1990	11.3167	3.6874	147.6583	-271.048	10.5796	12	15.3130	
ELIZABETH R.	ELIZABETH, CITY OF	NJ0020648	1990	22.3500	0.0000	0.0012	-0.0004	22.3500	1		
PECONIA R.	ESSEX COUNTY SANITARIUM	NJ0021687	1990	8.3364	0.2082	6.9092	-16.7374	8.7655	12	1.7294	
ARTHUR KILL	EXXON BAYWAY REFINERY	NJ0001511	1990	5.7000	6.7100	131.0000	-630.920	5.1580	11	24.8003	
KILL VAN KULL (DSN 002)	EXXON CO USA-BAYONNE PLANT	NJ0002089	1990	5.6667	0.7168	15.5116	-65.8849	5.7170	6	2.2304	
BUSHKILL CREEK	FLEMINGTON BOROUGH COUNCIL	NJ0028436	1990	26.6241	0.2525	24.0913	-4.5801	25.2076	8	6.1673	
PASSAIC RIVER	FLORHAM PARK STP	NJ0025518	1990	9.4182	0.9687	35.3636	-74.6343	9.6448	11	5.0259	
ARTHUR KILL	GAF CHEMICAL CORPORATION	NJ0000019	1990	2.8824	6.1833	67.2500	-634.867	2.8735	12	22.3132	
PASSAIC RIVER	GAF CORPORATION	NJ0028291	1990	5.1750	0.0582	1.1114	-5.4987	5.0439	9	0.2051	
WHIPPANY R.	NAMOVER SEWERAGE AUTHORITY	NJ0024902	1990	9.3000	2.0233	70.4667	-159.283	9.2013	12	3.7505	
DEAD RIVER TRIBU	HARRISON BROOK	NJ0822845	1990	3.6000	1.9760	27.2250	-197.150	3.6401	12	2.2966	
BERRYS CREEK	HENKEL CORPORATION	NJ0002798	1990	21.4900	0.8986	75.7363	-26.2967	22.2682	12	20.6253	
BLACK RIVER	HERCULES CORPORATION	NJ0000876	1990	3.9118	0.0714	2.5321	-5.5722	9.3732	12	1.0104	
ROCKY BROOK-MILL	HIGHTSTOWN STP	NJ0829475	1990	9.7455	0.6609	26.4818	-48.5644	10.5862	11	2.7504	
HUDSON RIVER	HOBOKEN SEWAGE TREATMENT PLA	NJ0026085	1990	166.3893	12.5627	7981.636	6555.139	167.8580	11	933.3706	
HUDSON RIVER	JERSEY CITY STP	NJ0027014	1990						0		
NEWARK BAY	JERSEY CITY STP	NJ0027022	1990						0		
STORM SEWER TO P	JERSEY SPECIALTY CO INC	NJ0031739	1990			0.0147	N	0.0000	2	0.0027	
ARTHUR KILL	JOINT MEETING SEWAGE TREATME	NJ0024741	1990	23.1636	71.1091	6189.130	-1885.31	22.9953	11	345.8793	
PASSAIC RIVER	KALAMA CHEMICAL INC	NJ0000124	1990	5086.250	0.2423	4631.294	4603.786	5050.945	4	199.9019	
HACKENSACK RIVER	KEARNY, TOWN OF	NJ0022161	1990	239.9000	1.7480	1553.975	1355.490	234.8750	8	254.2844	
MILL CR.	KOELLE BLVD MTP - SECAUCUS	NJ0025038	1990	8.8800	3.0244	107.6364	-235.784	9.4027	11	14.9650	
ARTHUR KILL	LINDEN ROSELLE SEWAGE AUTH	NJ0024953	1990	7.7500	3085.242	400.3917	-349929	0.0343	12	37.5303	
CONFLUENCE RARIT	MANVILLE SEWER PLANT	NJ0028762	1990	40.1167	1.3511	191.2250	37.8095	37.3935	12	12.1441	
BIG BROOK	MARLBORO PSYCHIATRIC HOSPITA	NJ0022586	1990	1.2750	0.3010	1.5250	-32.6535	1.3386	4	0.1031	
RARITAN BAY	MCCORMACK AGGREGATES	NJ0064581	1990	17.4000	1.9920	123.5969	-102.595	16.3928	4	53.6152	
KINGS CREEK (DSN 001002)	MERCK & CO INC	NJ0002348	1990	328.0478	0.9571	3095.862	2987.179	854.5554	11	1308.284	
SOUTH BRANCH RARITAN RIVER	MERCK & CO INC	NJ0003905	1990	1.7083	0.0026	0.0120	-0.2810	1.2262	12	0.0052	
RARITAN BAY	MIDDLESEX COUNTY UTILITIES	NJ0020141	1990	15.8167	109.9025	6596.627	-5882.80	15.8580	12	249.1548	
GREAT DITCH	MIDEAST ALUMINUM INDUSTRIES	NJ0025259	1990	67.7976	0.0103	2.6583	1.4850	67.9678	12	0.5062	
STONY BROOK	MOBIL TECHNICAL CENTER	NJ0000795	1990	2.0000	0.0350	0.2650	-3.7093	2.0000	1		
PASSAIC R.	MOLITOR WATER POLLUTION	NJ0024937	1990	5.6917	2.7533	59.6917	-252.949	5.7278	12	6.0466	

Figure 7-10. EDS Miscellaneous, Option BS

7.1.1.2 EDS Parameters

DSN =

This keyword specifies an output dataset name. The format for this field is DSN=xxxxxxx where xxxxxxx is the name the user wishes to call the file. xxxxxxx must begin with a letter and cannot exceed eight characters.

If a graph option is selected the resulting dataset name will have the following format:

uuuuaaa.GRAPH.xxxxxxxx

If the OPTION=CD is selected the resulting dataset will have the following format:

uuuuaaa.CONVERT.xxxxxxxx

where

"uuu" = The user's ID who ran the retrieval request;

"aaaa" = The account code of the user who ran the retrieval request;

"xxxxxxx" = The value of the "DSN=" option or the default name (applicable only for OPTION=CD) with the format: Dyyymmdd.Thhnnss where:

"yy" = the current year

"mm" = the current month

"dd" = the current date

"hh" = the current hour, in military time

"nn" = the current minutes

"ss" = the current seconds

"DSN=" can only be used to create user defined files that contain graphical output or converted data. This field will have meaning only if the OPTION= keyword looks like one of the following:

- | | | |
|--------------|--------------|--------------|
| 1. OPTION=AB | 5. OPTION=FL | 9. OPTION=CD |
| 2. OPTION=AG | 6. OPTION=CO | |
| 3. OPTION=BG | 7. OPTION=CF | |
| 4. OPTION=WC | 8. OPTION=CT | |

It should be noted that this is the only keyword that may be used twice in order to generate both a graphic file and a user converted data file with different user specified names. This keyword must be specified if a graphic file is desired.

DISP =

This parameter specifies the disposition of the user defined converted data file (OPTION=CD) and is required if "DSN=" is specified. The format for this parameter is DISP=xxx where xxx is one of two possible values, MOD or OLD.

If the user is creating a file for the first time or if the user is unsure of its disposition, MOD, should be selected. If xxx is equal to MOD the output data set will be created or if it exists the output will be appended to the existing file.

When making subsequent runs, the user should select OLD. If xxx is equal to OLD the output data set already exists. The current contents will be written over by the new output.

There is no default for this keyword.

COMP =

This parameter specifies the types of measurements to be processed. The format for this parameter is COMP=xxxx where xxxx can have two possible values.

If xxxx is equal to QUAN, then the MQAV and MQMX quantity fields will be used.

If xxxx is equal to CONC, then the MCMN, MCAV, and MCMX concentration fields will be used.

If this parameter is not present, then both the quantity and concentration fields will be used.

This parameter can be used in conjunction with the FIELD= parameter and will have meaning only if the OPTION= parameter is the following:

1. OPTION=AR
2. OPTION=AB
3. OPTION=AG
4. OPTION=CO
5. OPTION=CF
6. OPTION=CT

FIELD =

This parameter specifies what fields are to be processed. The format for this parameter is FIELD= xx where xx can be any combination of the following letters.

- M (Minimum MCMN)
- A (Averages MQAV, MCAV)
- X (Maximum MQMX, MCMX)

This parameter can be used in conjunction with the COMP= parameter. It will have meaning only when OPTION= parameter has one of the following values:

1. OPTION=AR
2. OPTION=AB
3. OPTION=AG
4. OPTION=CO
5. OPTION=CF
6. OPTION=CT

The default when this parameter is not coded is OPTION= MAX.

RANGE =

This parameter specifies the type of time period for calculating statistics and/or totalling. The format for this parameter is RANGE= x where x can have one of two possible values. If x is equal to T, statistics and totalling will be done for the entire period. When x is equal to A, statistics and totalling will be done for each year of the specified period. The default when this keyword is not present is annual statistics and totals.

This keyword will have meaning only if data spans more than one year and is applicable only when the OPTION= parameter is one of the following:

- | | | | |
|--------------|---------------|---------------|---------------|
| 1. OPTION=AR | 6. OPTION=BS | 11. OPTION=GS | 16. OPTION=HS |
| 2. OPTION=AB | 7. OPTION=GO | 12. OPTION=HO | 17. OPTION=HB |
| 3. OPTION=BE | 8. OPTION=GF | 13. OPTION=HF | 18. OPTION=BG |
| 4. OPTION=BI | 9. OPTION=GI | 14. OPTION=HI | 19. OPTION=WC |
| 5. OPTION=BP | 10. OPTION=GC | 15. OPTION=HC | |

STAT =

This parameter specifies the types of statistics to be presented as output. The format for this parameter is STAT= xxxxx where xxxxx can be any combination of the following letters:

M (Mean)
 S (Standard Deviation)
 X (Maximum)
 N (Minimum)
 P (99th Percentile)
 D (Median)

If this parameter is absent the default is all of the above statistics will be presented.

It should be noted that this parameter will have meaning only if the **OPTION =** parameter looks like one of the following:

1. **OPTION=AR**
2. **OPTION=AB**
3. **OPTION=AG**

GROUP =

This parameter specifies the number of facilities that will appear on each page of the Option A (statistics) report (**OPTION = AR**). The format for this parameter is **GROUP = PAGE**. When this parameter is specified one group of facility data will be presented per page.

This parameter will only have meaning if the **OPTION =** parameter looks like **OPTION = AR**.

BOUND =

This parameter indicates whether the maps in the type B graph will show individual counties or a single state. The format for this parameter is **BOUND = X** where x is one of two possible values.

If x is equal to C, the counties that selected facilities are located in are drawn individually. It is important to note that if this value is specified, an area spanning more than one state can be presented. This value is the default.

If x is equal to S, the boundary of an entire state is presented. If this value is specified and the data retrieved from PCS contains facilities in more than one state, then the first state encountered will be presented. The data from facilities outside this state will not be presented on the graph.

It should be noted that because this parameter applies to selections that produce map outputs, this keyword will only have meaning if the **OPTION =** is one of the following:

1. **OPTION=BG**
2. **OPTION=WC**
3. **OPTION=FL**

STBC =

This keyword specifies whether the Statistical Base code will be used to determine what data will be presented. The format for this parameter is **STBC = xxx** where xxx is one of two possible values.

If xxx is equal to YES, then the Statistical Base Code will be checked. Only data that has a Statistical Base Code signifying an average will be presented.

When xxx is equal to NO, the Statistical Base Code will not be checked.

If this parameter is not present then the default is **STBC = NO**.

This parameter will only have meaning if the OPTION = parameter is one of the following:

1. OPTION=AR
2. OPTION=AB
3. OPTION=AG

WCNT =

This keyword specifies the number of sources to be displayed for the worst case report and graph option (OPTION=WC). The format for this parameter is WCNT=xx where xx is any number from 1 to 99. The default for this parameter is 10.

XCONC =

This keyword specifies the comparison concentration in mg/l to be used in the statistical loading report option (OPTION=BS). The format for this parameter is XCONC=xxxxxx where xxxxxx is any number from .00001 to 999999. The default for this parameter is 1.

EST =

This keyword turns totaling estimation on. Mass loading totals will be estimated if there is not sufficient DMR data for the period being totaled. The report will display an "E" for all estimated values. The format for this parameter is EST=xxx where xxx is either YES or NO. The default for this parameter is NO.

This keyword will have meaning for the Type B reports and graphs and is applicable only when the OPTION = parameter is one of the following:

- | | | | |
|--------------|--------------|---------------|---------------|
| 1. OPTION=BE | 5. OPTION=GF | 9. OPTION=HO | 13. OPTION=HS |
| 2. OPTION=BI | 6. OPTION=GI | 10. OPTION=HF | 14. OPTION=HB |
| 3. OPTION=BP | 7. OPTION=GC | 11. OPTION=HI | 15. OPTION=BG |
| 4. OPTION=GO | 8. OPTION=GS | 12. OPTION=HC | 16. OPTION=WC |

"20 WITH"

This card is used to tell EDS about the data that has been extracted from PCS. There are two primary "20 WITH" cards that will be used; "20 WITH MVDT" and "20 WITH VPRM". Other measurement level acronyms may be used on the "20 WITH" in addition to these.

The "20 WITH MVDT" card provides the date range of the data. Since the 20 card defines a range there may be a maximum of two "20 WITH MVDT" cards. One card describes the beginning date range and the second describes the ending date range. The correct syntax for these two cards is:

```
20 WITH MVDT GT(GE) MMDDYY
20 WITH MVDT LT(LE) MMDDYY
```

Where MMDDYY is the date expressed as month, day, year.

If no less than (LT) date is specified the default will be the current date.

The "20 WITH VPRM" card provides the parameters to be extracted from PCS. The correct syntax for this card is as follows:

```
20 WITH VPRM EQ XXXXX
    if one parameter is selected, or

20 WITH VPRM AL XXXXX
    if multiple parameters are selected.
```

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This card can be read as follows: with parameter equal xxxxx where xxxxx is any valid Storet parameter number. There can be as many of these "20 WITH" cards as the user wishes.

The following table will help as a quick reference to determine which values and options are valid with each parameter.

Parameter	Values	Valid With These Options
DSN	Up to 8 characters beginning with alpha	AB AG BG CD CO CF CT WC FL
DISP	MOD, OLD	CD
COMP	QUAN CONC	AB AG AR CO CF CT
FIELD	M,A,X	AB AG AR CO CF CT
RANGE	T,A	AR AB BG BE BI BP BS GO GF GI GC GS HO HF HI HC HS HB WC
STAT	M,S,X,N,P,D	AR AB AG
GROUP	PAGE	AR
BOUND	C,S	BG WC FL
STBC	YES,NO	AR AB AG
WCNT	01-99	WC
EST	YES,NO	BG BE BI BP GO GF GI GC GS HO HF HI HC HS HB WC
XCONC	.00001-999999	BS

Table 7-1. EDS Valid Values and Options

7.1.1.3 Displaying Graphs Online

If a PCS Effluent Data Statistics graph has been saved as a data set using the 20-card options "DSN=", then the graph may be viewed on a graphics terminal. This capability may be accessed on the NCC IBM mainframe computer by using one of several special TSO commands.

The graphs created by the Effluent Data Statistics option are created using the software package DISPLA. The data sets that are created are in "post-processor" format. This is a format that is independent of the device that you are using to display the graph. Under TSO there are several commands that may be used to show the graph, depending on the type of terminal that is being used. A table of the TSO commands available follows (See Table 7-2). Additional information on these commands can be found by contacting NCC User Support.

TSO Command	Terminals Supported
IBMPOP	IBM Terminals that support GDDM graphics. Includes other types of terminals (TELEX etc.) that emulate IBM graphics terminals.
TEKPOP	Tektronics Terminals

Table 7-2. TSO Commands to display Effluent Data Statistic graphs online

7.2 Management Graphics Package

Generalized Retrieval may be used to produce any of five graphs that reflect status of the Strategic Targeting Activities for Results System (STARS) commitments or other issues of concern to EPA Regional or State managers. These graphs must be printed at either EPA's National Computer Center (NCC) or the Washington Information Center (WIC). In order to view the graphs at a terminal or print them at a different location, NCC's SAS system must be used. Instructions for using SAS to view graphs online may be found in 7.2.1, "Management Graphics General Format" on page 7-20

All five options of this package produce color vertical bar graphs. The user chooses the level of detail to which the graph will be displayed. The level of detail is specified using a Permit Facility Data Element, and a set of bars is produced on the graph for each value of that data element. For example, if an EPA regional user creates a graph for his region and specifies STTE as the level acronym, then a set of bars will be displayed for each state in the region.

Normal Generalized Retrieval selection capability is available for use with the Management Graphics, and up to five title lines may be printed on a graph. Titles should fully describe the graph and the selection criteria used to generate the graph.

The first PCS Management Package option, graph 1, shows a comparison between the number of facilities selected and the number of facilities that have been inspected during a specified date range. Two vertical bars will be displayed for each value of the specified level. The first bar represents the number of facilities that met the selection criteria; the second shows the number of those selected which were inspected during a specified date range.

The second option shows a comparison between the number of facilities selected, and those that have had EPA and State pretreatment compliance inspections (PCI's) and pretreatment audits for a specified date range. Three vertical bars will be produced for each level of detail selected. The first vertical bar represents the number of facilities selected, the second shows the number of selected facilities with a PCI in the date range, and the third shows those with an audit in the date range.

Graph 3 compares the number of administrative orders (AO's) issued during two user-specified date ranges. Two vertical bars are displayed for each level of detail, representing the number of AO's issued in the two date ranges. Either all AO's or only pretreatment-related AO's may be counted. If the user indicates that all AO's are to be counted then any formal enforcement action, as indicated in Table ID 030 in the PCS Codes and Descriptions Manual as a 'FORMAL EA', will be considered. If only pretreatment related AO's are specified then only enforcement action code 72 is considered.

The fourth graph available in this package compares the selected facilities to the number of those facilities that received an administrative order (AO) in a user-specified date range. Two vertical bars are printed for each level of detail. The first bar represents the number of facilities selected and the second is the number of those facilities with an AO in the given date range. The type of AO may be specified and is selected in exactly the same manner as in Graph 3.

The fifth and final option of the PCS Management Graphics Package is a comparison between the number of selected facilities, how many of them had an enforcement action issued during a user specified date range and how many had a compliance schedule violation during a second user-specified date range. Three vertical bars are produced for each specified level of detail. The first bar is the number of facilities selected; the second bar is the number of facilities with a compliance schedule violation in the date range; the third bar is the number of facilities with an enforcement action in the date range. Compliance Schedule Violations will be counted if any value of CVIO is present for the date range, and it's Reportable Noncompliance Status may be anything but resolved (including undetected).

7.2.1 Management Graphics General Format

The general format for the 20-card used to create one of these graphs is:

```
20 G# LEVEL=acro DSN=xxxxxxx DISP=yyy AOS=zzz
```

Where # refers to the number (1-5) of the graph being produced.

A permit facility level acronym must be given for the "LEVEL=" option. This controls the level of detail to which a graph is displayed. Note that if an acronym is used that has so many values that no graph may be produced, the graph will abend without warning or a meaningful error message. It is not possible for the Generalized Retrieval to determine this type of error, it will be found in the graphics (SAS/GRAPH) software.

The "DSN" option on the 20 card is used to specify the data set name to store the graph. xxxxxxxx represents a data set name specified by the user. The data set name may be between 1 to 8 characters in length and the first character of the data set name must be alphabetic. The graph is then stored in a SAS data set of the form:

```
uuuuuuu.GRPH#.xxxxxxx
```

Where uuu and aaaa are the user id and account, respectively, under which the graph retrieval is run and # is the number of the graph.

If the "DSN=" option is used, then the "DISP=" option must also be used. The "DISP=" option is used to overwrite or create new data sets. If "DISP=OLD" is used on the 20-card, a previously created data set is overwritten. If "DISP=MOD" is specified, either a new data set will be created or one previously created will have the new graph appended to it.

If the "DSN=" and "DISP=" options are not used, no data set containing the graph will be created. Graph data sets need only to be created if the user plans to use SAS/GRAPH capabilities to view the graph on a terminal or print it at a location other than NCC. See 7.2.2, "Displaying Graphs Online" on page 7-21 for instructions to use this capability. Normal printing is handled using 00-card options "GRMT", "GBOX", and "GDVCE=". See 5.3, "Option Card (00-Card)" on page 5-2.

The "AOS" option is used only for G3 and G4, and is used to specify the type of Administrative Orders to be counted. If AOS=ALL is specified, all formal enforcement actions will be counted. If AOS=IUS is specified, only pretreatment related administrative actions (ENAC=72) will be counted.

If G1 or G2 is specified on the 20-card, then two "20 WITH" cards must follow:

```
20 WITH DTIN GT (or GE) MMDDYY
20 WITH DTIN LT (or LE) MMDDYY
```

"DTIN" is the acronym for inspection date. "MMDDYY" are used to identify a date range of inspections to be included on the graph in the month-day-year format where MM=month, DD=day, and YY=year.

If G3 is specified on the 20-card, then four "20 with" cards must follow:

```
20 WITH END1 GT (or GE) MMDDYY
20 WITH END1 LT (or LE) MMDDYY
20 WITH END2 GT (or GE) MMDDYY
20 WITH END2 LT (or LE) MMDDYY
```

"END1" and "END2" are pseudonyms for "ENDT", the acronym for enforcement action date. "MMDDYY" are used to specify the two date ranges of enforcement actions to be compared in the month-day-year format where MM=month, DD=day, and YY=year.

If G4 is specified on the 20-card, then two "20 WITH" cards must follow:

```
20 WITH ENDT GT (or GE) MMDDYY
20 WITH ENDT LT (or LE) MMDDYY
```

"ENDT" is the acronym for enforcement action date. "MMDDYY" are used to identify a date range of enforcement actions to be included on the graph in the month-day-year format where MM=month, DD=day, and YY=year.

If G5 is specified on the 20-card, then four "20 WITH" cards must follow:

```
20 WITH ENDT GT (or GE) MMDDYY
20 WITH ENDT LT (or LE) MMDDYY
20 WITH CVDT GT (or GE) MMDDYY
20 WITH CVDT LT (or LE) MMDDYY
```

"ENDT" is the acronym for enforcement action date, and "CVDT" is the acronym for compliance schedule violation date. The "MMDDYY" qualifiers of these acronyms are used to select date ranges for enforcement actions and compliance schedule violations for the graph. These date ranges are specified in a month-day-year format where MM=month, DD=day, and YY=year.

7.2.2 Displaying Graphs Online

If a PCS Management Graph has been saved as a data set using the 20-card options "DSN=" and "DISP=" then the graph may be viewed on a graphics terminal. A graphics terminal is a terminal or PC that has a graphics card. This capability may be accessed on the NCC IBM under TSO by typing the command "PCSGRAPH" or under ISPF option G.4. The user will be prompted for the data set name under which the graph was saved and for the device type of the terminal used to view the graph. The device type may be determined by referring to a SAS manual or to the NCC data set:

```
JUSD.SAS.DATA(DEVICES)
```

Appendix A. Data Element Lists

A.1 Sorted by FILE and DATA ELEMENT NAME

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

COMPLIANCE SCHEDULE							QUICK LOOK
DATA	DATA	DATA	QL LONG	QL SHORT	MILESTONE		AND MILESTONE
ELEMENT	BASE	ELEMENT	HEADING	HEADING	ROW/COLUMN		DESCRIPTIVE HEADING
NAME	ACRONYM	LENGTH	LENGTH	LENGTH	USAGE		
ACMO	DTAC	002	010	005	BOTH		'CS ACT MO'
ACMY	DTAC	005	013	006	BOTH		'CS ACT MO/YR'
ACYR	DTAC	002	010	005	BOTH		'CS ACT YR'
COMM	COMM	030	031	031	ROW		'CS COMMENTS'
CSCH	CSCH	002	007	005	BOTH		'CS NUM'
CSCHD	CSCH	030	031	031	ROW		'CS NUM'
CSFN	CSFN	012	014	013	BOTH		'DOCKET NUMBER'
DSCD	DSCD	004	015	005	BOTH		'CS DATA SRC CD'
DSCDD	DSCD	004	015	005	ROW		'CS DATA SRC CD'
DTAC	DTAC	008	010	009	BOTH		'CS ACT DT'
DTRC	DTRC	008	012	009	BOTH		'CS RSLVD DT'
DTSC	DTSC	008	009	009	BOTH		'CS DATE'
EVNT	EVNT	005	011	006	BOTH		'CS EVNT CD'
EVNTD	EVNT	030	031	031	ROW		'CS EVNT CD'
RDC1	RDC1	003	011	005	BOTH		'REG COMP 1'
RDC2	RDC2	006	011	007	BOTH		'REG COMP 2'
SCMO	DTSC	002	010	005	BOTH		'CS SCH MO'
SCMY	DTSC	005	009	006	BOTH		'CS MO/YR'
SCYR	DTSC	002	006	005	BOTH		'CS YR'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

COMPLIANCE VIOLATION						QUICK LOOK
DATA	DATA	DATA	QL LONG	QL SHORT	MILESTONE	AND MILESTONE
ELEMENT	BASE	ELEMENT	HEADING	HEADING	ROW/COLUMN	DESCRIPTIVE HEADING
NAME	ACRONYM	LENGTH	LENGTH	LENGTH	USAGE	
CVDT	CVDT	008	010	009	BOTH	'CS VIO DT'
CVEV	CVEV	005	015	006	BOTH	'CS VIO EVNT CD'
CVEVD	CVEV	030	031	031	ROW	'CS VIO EVNT CD'
CVIO	CVIO	003	010	005	BOTH	'CS VIO CD'
CVIOD	CVIO	030	031	031	ROW	'CS VIO CD'
RDV1	RDV1	003	011	005	BOTH	'REG CPVI 1'
RDV2	RDV2	006	011	007	BOTH	'REG CPVI 2'
SNCC	SNCC	001	010	005	BOTH	'CS SNC CD'
SNCCD	SNCC	030	031	031	ROW	'CS SNC CD'
SNDC	SNDC	008	010	009	BOTH	'CS SNC DT'
SRCC	SRCC	001	020	005	BOTH	'SNC RESOLUTION CODE'
SRCCD	SRCC	030	031	031	ROW	'SNC RESOLUTION CODE'
SRDC	SRDC	008	020	009	BOTH	'SNC RESOLUTION DATE'
VCMT	VCMT	030	031	031	ROW	'CS VIO COMM'
VCSN	VCSN	002	015	005	BOTH	'VIO CP SCH NUM'
VCSND	VCSN	030	031	031	ROW	'VIO CP SCH NUM'
VDCD	VDCD	004	019	005	BOTH	'CS VIO DATA SRC CD'
VDCDD	VDCD	004	019	005	ROW	'CS VIO DATA SRC CD'
VDTR	VDTR	008	015	009	BOTH	'CS VIO DT RSLD'
VDTS	VDTS	008	016	009	BOTH	'CS VIO DT SCHED'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

ENFORCEMENT ACTION			QUICK LOOK			
DATA ELEMENT NAME	DATA BASE ACRONYM	DATA ELEMENT LENGTH	QL LONG HEADING LENGTH	QL SHORT HEADING LENGTH	MILESTONE ROW/COLUMN USAGE	AND MILESTONE DESCRIPTIVE HEADING
APAD	APAD	008	026	009	BOTH	'APO APPEAL DECISION
APAF	APAF	008	031	009	BOTH	'APO DATE JUDICIAL AP
APAH	APAH	008	024	009	BOTH	'APO ACTUAL HEARING D
APAM	APAM	006	028	007	BOTH	'APO PENALTY AMOUNT A
APAP	APAP	001	028	005	BOTH	'APO CLASS II APPEALE
APA2	APA2	008	025	009	BOTH	'APO CLASS II APPEAL
APCD	APCD	008	028	009	BOTH	'APO COMMENT PERIOD D
APCL	APCL	001	010	005	BOTH	'APO CLASS'
APCM	APCM	001	029	005	BOTH	'APO PUBLIC COMMENTS
APCT	APCT	104	105	105	INVALID	'APO USER COMMENTS'
APC1	APC1	020	021	021	ROW	'APO USER COMMENT 1'
APC2	APC2	020	021	021	ROW	'APO USER COMMENT 2'
APC3	APC3	020	021	021	ROW	'APO USER COMMENT 3'
APC4	APC4	020	021	021	ROW	'APO USER COMMENT 4'
APDP	APDP	001	028	005	BOTH	'APO DISPOSITION OF P
APDT	APDT	008	031	009	BOTH	'APO DATE PROPOSED OR
APD2	APD2	008	029	009	BOTH	'APO CLASS II APPEAL
APF0	APF0	008	024	009	BOTH	'APO DATE OF FINAL OR
APHA	APHA	008	028	009	BOTH	'APO SCH APPEAL HEARI
APHD	APHD	008	027	009	BOTH	'APO SCHEDULED HEARIN
APHR	APHR	001	022	005	BOTH	'APO HEARING REQUESTE
APHS	APHS	008	031	009	BOTH	'APO PREHEARING SUBMI
APH2	APH2	008	028	009	BOTH	'APO ACT APPEAL HEARI
APJF	APJF	008	026	009	BOTH	'APO JUDICIAL DECREE
APNT	APNT	008	030	009	BOTH	'APO DATE PUBLIC NOTI
APPA	APPA	006	021	007	BOTH	'APO ASSESSED PENALTY
APPC	APPC	008	027	009	BOTH	'APO DATE PENALTY COL
APPD	APPD	008	029	009	BOTH	'APO PENALTY PAYMENT
APPH	APPH	001	023	005	BOTH	'APO PUBLIC PARTICIPA
APPO	APPO	020	021	021	BOTH	'APO ALJ OR PO'
APPP	APPP	008	029	009	BOTH	'APO COMMENTERS PETIT
APRR	APRR	008	029	009	BOTH	'APO RESPONDENTS HEAR
APTC	APTC	009	028	010	ROW	'APO TOTAL PENALTY CO
AP01	AP01	008	016	009	ROW	'APO USER DATE 1'
AP02	AP02	008	016	009	ROW	'APO USER DATE 2'
AP03	AP03	008	016	009	ROW	'APO USER DATE 3'
AP04	AP04	008	016	009	ROW	'APO USER DATE 4'
EACD	EACD	008	015	009	BOTH	'SCHED TO CLOSE'
EADR	EADR	008	015	009	BOTH	'ET RESP ACH DT'
EATP	EATP	001	015	005	BOTH	'ENF ACT ISS BY'
EATPD	EATP	005	015	006	ROW	'ENF ACT ISS BY'
ECM0	ECM0	030	031	031	ROW	'ENF COMMENT LINE 0'
ECM1	ECM1	030	031	031	ROW	'ENF COMMENT LINE 1'
ECM2	ECM2	030	031	031	ROW	'ENF COMMENT LINE 2'
ECM3	ECM3	030	031	031	ROW	'ENF COMMENT LINE 3'
ECM4	ECM4	030	031	031	ROW	'ENF COMMENT LINE 4'
ECM5	ECM5	030	031	031	ROW	'ENF COMMENT LINE 5'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

ENFORCEMENT ACTION						QUICK LOOK
DATA	DATA	DATA	QL LONG	QL SHORT	MILESTONE	AND MILESTONE
ELEMENT	BASE	ELEMENT	HEADING	HEADING	ROW/COLUMN	DESCRIPTIVE HEADING
NAME	ACRONYM	LENGTH	LENGTH	LENGTH	USAGE	
ECM6	ECM6	030	031	031	ROW	'ENF COMMENT LINE 6'
ECM7	ECM7	030	031	031	ROW	'ENF COMMENT LINE 7'
ECM8	ECM8	030	031	031	ROW	'ENF COMMENT LINE 8'
ECM9	ECM9	030	031	031	ROW	'ENF COMMENT LINE 9'
ECNP	ECNP	009	016	010	ROW	'ENF CP PRMT NUM'
EIP1	EIP1	006	019	007	BOTH	'ENF PRI PARTY RESP'
EIP2	EIP2	006	019	007	BOTH	'ENF 2ND PARTY RESP'
ENAC	ENAC	002	007	005	BOTH	'ENF CD'
ENACD	ENAC	030	031	031	ROW	'ENF CD'
ENDT	ENDT	008	009	009	BOTH	'ENF DATE'
END1	ENDT	008	009	009	BOTH	'ENF DATE'
END2	ENDT	008	009	009	BOTH	'ENF DATE'
ENST	ENST	002	014	005	BOTH	'ENF STATUS CD'
ENSTD	ENST	025	026	026	ROW	'ENF STATUS CD'
ERDT	ERDT	008	016	009	BOTH	'ENF RESP DUE DT'
ERFN	ERFN	012	013	013	ROW	'ENF FILE NUM'
ESDT	ESDT	008	014	009	BOTH	'ENF STATUS DT'
EVDK	EVDK	008	014	009	BOTH	'ENF VIO RECOG'
RDA1	RDA1	003	015	005	ROW	'EA REGION FLD1'
RDA2	RDA2	006	015	007	ROW	'EA REGION FLD2'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

EVIDENTIARY HEARING						
DATA ELEMENT NAME	DATA BASE ACRONYM	DATA ELEMENT LENGTH	QL LONG HEADING LENGTH	QL SHORT HEADING LENGTH	MILESTONE ROW/COLUMN USAGE	QUICK LOOK AND MILESTONE DESCRIPTIVE HEADING
EHC0	EHC0	030	031	031	ROW	'EVID HRNG COMMENT'
EHD0	EHD0	008	018	009	BOTH	'EVID HRNG EVNT DT'
EHEV	EHEV	005	018	006	BOTH	'EVID HRNG EVNT CD'
EHEVD	EHEV	021	022	022	ROW	'EVID HRNG EVNT CD'
RDH1	RDH1	003	015	005	BOTH	'REG EVID HRG 1'
RDH2	RDH2	006	015	007	BOTH	'REG EVID HRG 2'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

ENFORCEMENT ACTION KEY

DATA ELEMENT NAME	DATA BASE ACRONYM	DATA ELEMENT LENGTH	QL LONG HEADING LENGTH	QL SHORT HEADING LENGTH	MILESTONE ROW/COLUMN USAGE	QUICK LOOK AND MILESTONE DESCRIPTIVE HEADING
ECVC	ECVC	003	015	005	BOTH	'ENF CMP VIO CD'
ECVCD	ECVC	030	031	031	ROW	'ENF CMP VIO CD'
ECVD	ECVD	008	016	009	BOTH	'ENF COMP VIO DT'
EIPQ	EIPQ	001	009	005	BOTH	'ENF PIPE QUAL'
EKAC	EKAC	002	017	005	BOTH	'ENF RESP TO VIOL'
EKACD	EKAC	030	031	031	ROW	'ENF RESP TO VIOL'
EKDT	EKDT	008	021	009	BOTH	'ENF ACT DT EFFECTIVE'
EKTP	EKTP	001	015	005	BOTH	'ENF ACT ISS BY'
EKTPD	EKTP	005	015	006	ROW	'ENF ACT ISS BY'
EMNP	EMNP	009	016	010	ROW	'ENF MV PRMT NUM'
EMOD	EMOD	001	012	005	BOTH	'ENF MOD NUM'
ESEA	ESEA	001	011	005	BOTH	'EA SEA IND'
ESNP	ESNP	009	012	010	ROW	'SV PRMT NUM'
ESVC	ESVC	005	012	006	BOTH	'SV VIOL TYP'
ESVCD	ESVC	040	041	041	ROW	'SV VIOL TYP'
ESVD	ESVD	008	013	009	BOTH	'SV VIOL DATE'
EVCD	EVCD	004	012	005	BOTH	'ENF SRCE CD'
EVCD D	EVCD	004	012	005	ROW	'ENF SRCE CD'
EVDS	EVDS	003	009	005	BOTH	'ENF DSCH'
EVEV	EVEV	005	012	006	BOTH	'ENF EVNT CD'
EVEVD	EVEV	030	031	031	ROW	'ENF EVNT CD'
EVL M	EVL M	001	011	005	BOTH	'ENF LIM TP'
EVLMD	EVL M	007	011	008	ROW	'ENF LIM TP'
EVLN	EVLN	001	011	005	BOTH	'ENF LIM TP'
EVLND	EVLN	007	011	008	ROW	'ENF LIM TP'
EVMD	EVMD	008	011	009	BOTH	'ENF MOD DT'
EVML	EVML	001	012	005	BOTH	'ENF MON LOC'
EVMLD	EVML	020	021	021	ROW	'ENF MON LOC'
EVPR	EVPR	005	009	006	BOTH	'ENF PRAM'
EVPRD	EVPR	040	041	041	ROW	'ENF PRAM'
EVRD	EVRD	001	014	005	BOTH	'ENF RPT DESIG'
EVS N	EVS N	002	011	005	BOTH	'ENF CS NUM'
EVSND	EVS N	030	031	031	ROW	'ENF CS NUM'
EVTP	EVTP	002	018	005	BOTH	'ENF KEY VIOL TYPE'
EVTPD	EVTP	040	041	041	ROW	'ENF KEY VIOL TYPE'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

GRANTS						
DATA ELEMENT NAME	DATA BASE ACRONYM	DATA ELEMENT LENGTH	QL LONG HEADING LENGTH	QL SHORT HEADING LENGTH	MILESTONE ROW/COLUMN USAGE	QUICK LOOK AND MILESTONE DESCRIPTIVE HEADING
GRCO	GRCO	030	031	031	ROW	'GRANT COMMENTS'
GRNO	GRNO	009	010	010	ROW	'GRANT NUM'
GRST	GRST	003	013	005	BOTH	'GRANT STATUS'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

INSPECTION AUDIT						QUICK LOOK
DATA ELEMENT NAME	DATA BASE ACRONYM	DATA ELEMENT LENGTH	QL LONG HEADING LENGTH	QL SHORT HEADING LENGTH	MILESTONE ROW/COLUMN USAGE	AND MILESTONE DESCRIPTIVE HEADING
ADIN	ADIN	005	032	006	COLUMN	'INADEQ IN POTW INSP/
ADIND	ADIN	040	041	041	COLUMN	'INADEQ IN POTW INSP/
ADLL	ADLL	001	027	005	BOTH	'ADOPT TECH-BASED LOC
ADLLD	ADLL	010	027	011	ROW	'ADOPT TECH-BASED LOC
APDF	APDF	010	031	011	COLUMN	'DEFICIENCIES IN INTR
APDFD	APDF	040	041	041	COLUMN	'DEFICIENCIES IN INTR
BUDG	BUDG	007	016	008	ROW	'ANNUAL PT BUDGET'
CIUS	CIUS	004	016	005	BOTH	'CATEGORICAL IUS'
CMDF	CMDF	008	025	009	COLUMN	'CNTRL MECH DEFICIENC
CMDFD	CMDF	030	031	031	COLUMN	'CNTRL MECH DEFICIENC
COOR	COOR	025	026	026	ROW	'PT COORDINATOR NAME'
D MDF	D MDF	006	027	007	COLUMN	'DEFICIENCIES IN DATA
D MDFD	D MDF	040	041	041	COLUMN	'DEFICIENCIES IN DATA
DSSM	DSSM	001	030	005	BOTH	'PGM MOD DOMESTIC SEW
DTIA	DTIA	008	013	009	BOTH	'PCI/AUDIT DT'
ERGG	ERGG	001	020	005	BOTH	'ENFORCMT RESP GUIDE'
EVCL	EVCL	001	032	005	BOTH	'TECH EVAL COMPREHENS
EVLL	EVLL	001	024	005	BOTH	'TECH EVAL FOR LOCAL
EVLLD	EVLL	015	024	016	ROW	'TECH EVAL FOR LOCAL
FIDF	FIDF	006	019	007	COLUMN	'FILE DEFICIENCIES'
FIDFD	FIDF	030	031	031	COLUMN	'FILE DEFICIENCIES'
IATY	IATY	001	016	005	BOTH	'PCI/AUD TYP INSP'
IATYD	IATY	030	031	031	ROW	'PCI/AUD TYP INSP'
INTF	INTF	001	019	005	BOTH	'INTERFERENCE INDC'
LADF	LADF	009	025	010	COLUMN	'LEGAL AUTH DEFICIENC
LADFD	LADF	040	041	041	COLUMN	'LEGAL AUTH DEFICIENC
MADF	MADF	004	030	005	COLUMN	'MULTI-JURISDIC AGREE
MADFD	MADF	030	031	031	COLUMN	'MULTI-JURISDIC AGREE
MSNC	MSNC	003	023	005	BOTH	'SIUS IN SNC W/SELF-M
MSNCD	MSNC	003	023	005	ROW	'SIUS IN SNC W/SELF-M
MXPN	MXPN	006	024	007	ROW	'MAX CIVIL PENALTY BY
NINF	NINF	003	031	005	BOTH	'SIUS NOT INSP/SAMP A
NOCM	NOCM	003	020	005	BOTH	'SIUS W/O CNTRL MECH'
NOIN	NOIN	003	022	005	BOTH	'SIUS NOT INSP/SAMPLE
NOPT	NOPT	003	027	005	BOTH	'% OF SIUS NOT INSTAL
PASS	PASS	001	019	005	BOTH	'PASS-THROUGH INDC'
PIRT	PIRT	001	024	005	BOTH	'PGM MOD PIRT AMENDME
PRCH	PRCH	006	019	007	COLUMN	'PGM ELEMENT CHANGES'
PRCHD	PRCH	030	031	031	COLUMN	'PGM ELEMENT CHANGES'
PSNC	PSNC	003	024	005	BOTH	'SIUS IN SNC W/STD &
PTIM	PTIM	008	025	009	BOTH	'DT PERMIT MOD TO REQ
PTJU	PTJU	002	024	005	BOTH	'# JURISDICTIONS COVE
RCRA	RCRA	001	030	005	BOTH	'ACCEPTANCE OF HAZARD
RCRD	RCRD	008	028	009	BOTH	'REMOVAL CREDITS APPR
RDN1	RDN1	003	024	005	ROW	'REGIONAL DATA ELEMEN
RDN2	RDN2	006	024	007	ROW	'REGIONAL DATA ELEMEN
RECR	RECR	001	016	005	BOTH	'REMOVAL CREDITS'
RECRD	RECR	020	021	021	ROW	'REMOVAL CREDITS'

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

INSPECTION AUDIT			QUICK LOOK			
DATA	DATA	DATA	QL LONG	QL SHORT	MILESTONE	QUICK LOOK
ELEMENT	BASE	ELEMENT	HEADING	HEADING	ROW/COLUMN	AND MILESTONE
NAME	ACRONYM	LENGTH	LENGTH	LENGTH	USAGE	DESCRIPTIVE HEADING
RESO	RESO	007	024	008	COLUMN	'INADEQ IN PT RESOURC
RESOD	RESO	030	031	031	COLUMN	'INADEQ IN PT RESOURC
RSCH	RSCH	001	031	005	BOTH	'RESP TO SCHED FOR RE
RSNC	RSNC	003	019	005	BOTH	'SIUS IN SNC W/RPTG'
SIUS	SIUS	004	020	005	BOTH	'SIGNIF INDUST USERS'
SLDG	SLDG	006	024	007	COLUMN	'SLUDGE DISPOSAL METH
SLDGD	SLDG	020	024	021	COLUMN	'SLUDGE DISPOSAL METH
SMDF	SMDF	005	026	006	COLUMN	'DEFIC IN POTW SAMP O
SMDFD	SMDF	030	031	031	COLUMN	'DEFIC IN POTW SAMP O
SNIN	SNIN	003	032	005	BOTH	'SIUS IN SNC W/SELF-M
SNIND	SNIN	003	032	005	ROW	'SIUS IN SNC W/SELF-M
SNPS	SNPS	003	019	005	BOTH	'SIUS IN SNC W/STDS'
SUPP	SUPP	001	020	005	BOTH	'SPT OF RECENT PT RPT
TXEF	TXEF	002	028	005	BOTH	'FREQ OF EFFLNT TOXCN
TXIN	TXIN	002	028	005	BOTH	'FREQ OF INFLNT TOXCN
TXSL	TXSL	002	028	005	BOTH	'FREQ OF SLUDGE TOXCN
VSCH	VSCH	001	031	005	BOTH	'VIOL TO SCHED FOR RE
WSTE	WSTE	005	030	006	COLUMN	'WATSE NOT DOMESTIC/I
WSTED	WSTE	030	031	031	COLUMN	'WATSE NOT DOMESTIC/I

RETRIEVAL DATA ELEMENT LIST
SORTED BY FILE AND DATA ELEMENT NAME

INSPECTIONS						QUICK LOOK	
DATA	DATA	DATA	QL LONG	QL SHORT	MILESTONE	AND MILESTONE	
ELEMENT	BASE	ELEMENT	HEADING	HEADING	ROW/COLUMN	DESCRIPTIVE HEADING	
NAME	ACRONYM	LENGTH	LENGTH	LENGTH	USAGE		
BIOM	BIOM	001	017	005	BOTH	'BIOM INSP METHOD'	
BIOMD	BIOM	020	021	021	ROW	'BIOM INSP METHOD'	
DTIN	DTIN	008	009	009	BOTH	'INSP DT'	
DTRR	DTRR	008	015	009	BOTH	'IN RPT RECD DT'	
FACC	FACC	001	019	005	BOTH	'INSP FACILITY TYPE'	
FACCD	FACC	012	019	013	ROW	'INSP FACILITY TYPE'	
FEVR	FEVR	003	017	005	BOTH	'INSP FAC RATE CD'	
ICA3	ICOM	003	015	005	ROW	'INSP POS 01-03'	
ICN3	ICN3	003	023	005	ROW	'INSP POS 01-03 NUMER	
ICOM	ICOM	100	101	101	INVALID	'INSP COMMENTS'	
ICOS	ICOM	009	015	010	ROW	'INSP CMT SHORT'	
IC01	ICOM	001	011	005	BOTH	'INSP POS 1'	
IC02	ICOM	001	011	005	BOTH	'INSP POS 2'	
IC03	ICOM	001	011	005	BOTH	'INSP POS 3'	
IC04	ICOM	001	011	005	BOTH	'INSP POS 4'	
IC05	ICOM	001	011	005	BOTH	'INSP POS 5'	
IC06	ICOM	001	011	005	BOTH	'INSP POS 6'	
IC07	ICOM	001	011	005	BOTH	'INSP POS 7'	
IC08	ICOM	001	011	005	BOTH	'INSP POS 8'	
IC09	ICOM	001	011	005	BOTH	'INSP POS 9'	
IC25	ICOM	025	026	026	ROW	'INSP POS 01-25'	
IC50	ICOM	050	051	051	ROW	'INSP POS 01-50'	
INHR	INHR	003	017	005	BOTH	'INSP IN PROC HRS'	
INMO	DTIN	002	008	005	BOTH	'INSP MO'	
INMY	DTIN	005	011	006	BOTH	'INSP MO/YR'	
INSP	INSP	001	008	005	BOTH	'INSP CD'	
INSPD	INSP	025	026	026	ROW	'INSP CD'	
INYR	DTIN	002	010	005	BOTH	'INSP YEAR'	
POHR	POHR	003	019	005	BOTH	'INSP POST PROC HRS'	
PRHR	PRHR	003	018	005	BOTH	'INSP PRE PROC HRS'	
QABI	QABI	001	013	005	BOTH	'QA INSP TYPE'	
QABID	QABI	024	025	025	ROW	'QA INSP TYPE'	
RDI1	RDI1	003	011	005	BOTH	'REG INSP 1'	
RDI2	RDI2	006	011	007	BOTH	'REG INSP 2'	
TYPI	TYPI	001	009	005	BOTH	'TYP INSP'	
TYPID	TYPI	030	031	031	ROW	'TYP INSP'	